


PRESENTED BY

University of Nebraska.





Digitized by the Internet Archive
in 2013

Series XIV

Number 13

BULLETIN OF
THE UNIVERSITY OF NEBRASKA

THE COMPLETE
CALENDAR
July 1, 1908—July 1, 1909

ANNOUNCEMENTS
1909-1910



JULY 1, 1909
THE UNIVERSITY PRESS
Lincoln, Nebraska



THE UNIVERSITY OF NEBRASKA

COMPLETE CALENDAR

July 1, 1908—July 1, 1909

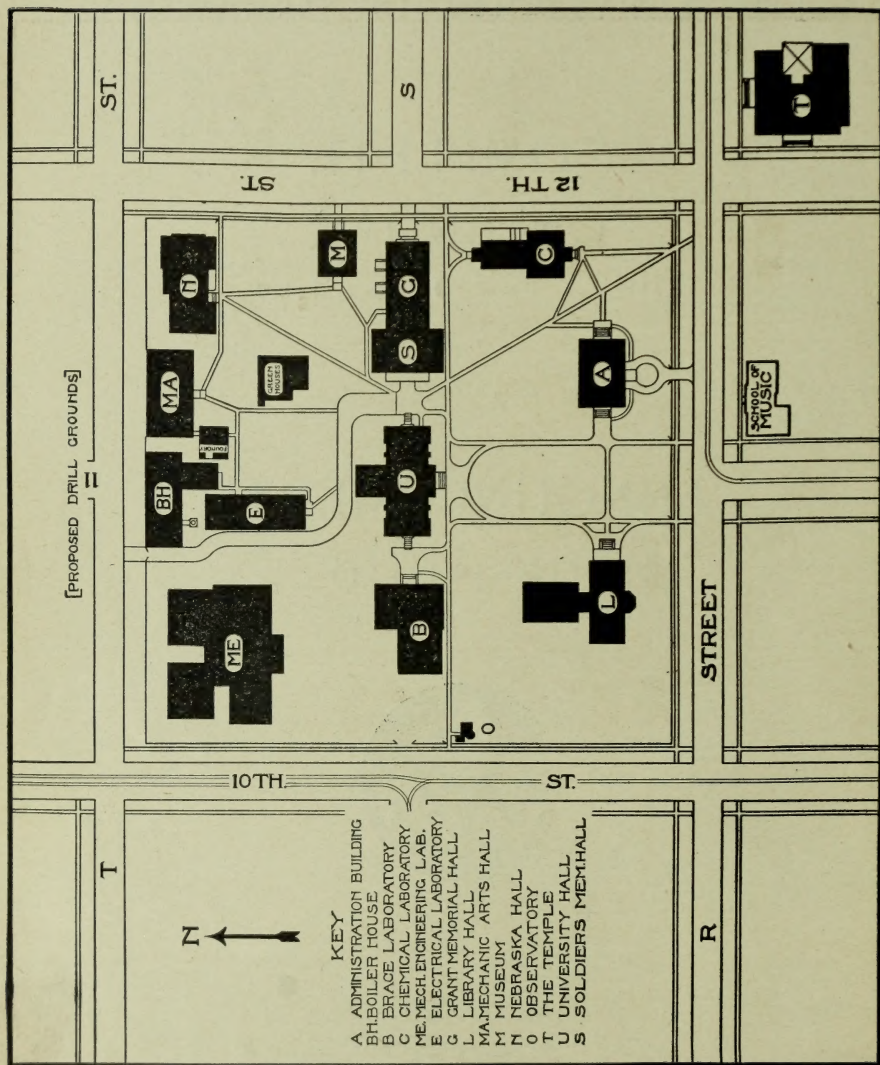
ANNOUNCEMENTS

1909-1910



JULY 1, 1909
THE UNIVERSITY PRESS
Lincoln, Nebraska

H. J. W.



The Bulletin of the University of Nebraska is published semi-monthly between January 1 and October 1 of each year. Entered at the Post-Office at Lincoln, Nebraska, as second-class matter under act of Congress, July 16, 1894. One number each is issued for the Graduate College, the College of Arts and Sciences, the Teachers College, the College of Agriculture, the College of Engineering, the College of Law, the College of Medicine, the School of Pharmacy, and the schools of Art, Agriculture, and Music. Also, the High School Manual. They are furnished gratuitously, postage paid, to all who apply for them. In asking for them, name the department of the University concerning which information is desired. Address

THE REGISTRAR,

THE UNIVERSITY OF NEBRASKA,

Lincoln, Nebraska.

1909

JANUARY

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

JULY

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..

FEBRUARY

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	..	..	..	..	..	..
..

AUGUST

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..

MARCH

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..

SEPTEMBER

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..

APRIL

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..

OCTOBER

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..

MAY

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..

NOVEMBER

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..

JUNE

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..

DECEMBER

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..

1910

JANUARY

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

JULY

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

FEBRUARY

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	..	..	..	..	..	..
..

AUGUST

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..

MARCH

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..

SEPTEMBER

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..

APRIL

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..

OCTOBER

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..

MAY

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..

NOVEMBER

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..

JUNE

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..

DECEMBER

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..

CALENDAR

ALL C LLEGES AND SCHOOLS

1909

September 6	Monday	School of Music, first term begins.
September 21	Tuesday	First Semester begins.
September 21-25	Tuesday-Saturday	Entrance examinations and registration.
September 22	Wednesday	College of Medicine, lectures begin at Omaha.
September 25	Saturday, 10:30 a.m.	Opening address, the Chancellor.
	8 p.m.	University reception to all students.
*October 1	Friday	Registration begins, first semester. Lincoln Dental College (associated with the University).
November 1	Monday	School of Agriculture, first term begins.
November 15	Monday	School of Music, second term begins.
November 24	Wednesday, 6 p. m	Thanksgiving recess begins.
November 30	Tuesday, 8 a. m.	Thanksgiving recess ends.
December 7	Tuesday	Regular Meeting of the Board of Regents (first Tuesday after the first Wednesday in December).
December 17	Friday, 6 p. m	Christmas vacation begins.

1910

January 4	Tuesday, 8 a. m.	Christmas vacation ends.
January 3	Monday	School of Agriculture, winter course begins.
January 24-28	Monday-Friday	First Semester examinations. Registration begins, second semester. Lincoln Dental College (associated with the University).
January 25-29	Tuesday-Saturday	Entrance examinations and registration for the second Semester.
January 31	Monday	Second Semester classes begin. School of Agriculture, second term begins. School of Music, third term begins.

* Students entering the course in Dentistry deficient in Chemistry should register September 22-25.

February 14	Monday, 8 p. m.	Orator before the Sigma Xi Society. Professor Percival Lowell, Boston.
February 15	Tuesday	Charter Day. A holiday. Regular meeting of the Board of Regents.
March 23	Wednesday, 6 p. m.	Easter recess begins.
March 30	Wednesday, 8 a. m.	Easter recess ends.
April 11	Monday	School of Music, fourth term begins.
April 12	Tuesday	Regular meeting of the Board of Regents (the first Tuesday after the first Wednesday in April).
April 20	Wednesday	School of Agriculture, Principal's reception.
April 22	Friday	School of Agriculture Commencement.
May 19	Thursday	College of Medicine Commencement.
June 3-9	Friday-Thursday	Second semester examinations.
June 8	Wednesday, 12 m.	Cadet encampment begins.
June 13	Monday	Cadet encampment ends.
June 13	Monday, 4 p. m.	Final recommendation by the faculties for degrees.

COMMENCEMENT WEEK, 1910

June 11	Saturday, 8 p. m	School of Music Annual Concert.
June 12	Sunday	Baccalaureate Sermon.
June 13	Monday, 8 p. m.	Oration before the Phi Beta Kappa Society.
June 14	Tuesday	Class Day. Annual meeting Board of Regents. Senior Class Play.
June 15	Wednesday	Alumni Day. 9 a. m. to 2 p. m. Class reunions and dinners. 4 p. m. Business meeting and Alumni address. Agricultural Hall. 5 to 7 p. m. Alumni Banquet. The University Farm. 9 p. m. Alumni Cotillion. The Temple.
June 16	Thursday	Thirty-ninth Annual Commencement. Commencement procession. Oration and conferring of degrees. Chancellor's reception.
September 20	Tuesday	First Semester begins (1910-1911).

ORGANIZATION AND GOVERNMENT

ESTABLISHMENT—The University of Nebraska was founded by an act of the Nebraska legislature, effective February 15, 1869. The subsequent new constitution of 1875 recognized the University as thus established, placed it under the general control of an elected board of six regents, and made certain provisions as to its organization and administration. The next legislature (1877) revised the act of 1869 in accordance with the provisions of the new constitution. Under this revised act (Compiled Statutes of Nebraska, Chapter 87), as slightly amended by the legislature of 1908-1909, the University is at present organized and operating.

REVENUES—By an amendment in 1899 of the original act of 1869, a tax of one mill upon the grand assessment roll of the state is provided for the support of the University. Added to this are incomes from land leases and sales under the land-grant act of Congress of 1862 for the benefit of the Industrial College,* and under the enabling act reserving seventy-two sections of land for the State University; interest on permanent fund investments; and the money grant by the act of Congress, commonly known as the Morrill Act, August, 1890, and by the Hatch Fund Act of 1887, and the Adams Act of 1906 supplemental thereto. In addition to this are the fees paid by students for various purposes.

* In 1909, this college was erected into the colleges of Agriculture and Engineering by the state legislature.

ORGANIZATION—The University comprises the following colleges and schools:

THE GRADUATE COLLEGE, with courses of varying length, leading to degrees of Master of Arts and Doctor of Philosophy.

THE COLLEGE OF ARTS AND SCIENCES, with a four-year course leading to the degree of Bachelor of Arts or of Bachelor of Science.

THE TEACHERS COLLEGE, with a four-year course leading to the degree of Bachelor of Arts or of Bachelor of Science, and conferring the Teachers' certificate.

THE COLLEGE OF AGRICULTURE (including general and technical agricultural, forestry, and general home economics groups), with a four-year course leading to the degree of Bachelor of Science.

THE COLLEGE OF ENGINEERING, with a four-year course leading to the degree of Bachelor of Science in Engineering—Civil, Electrical, Mechanical. Also, a six-year combined Academic-Engineering course.

THE COLLEGE OF LAW, with a three-year course leading to the degree of Bachelor of Laws. A six-year course leading to the Bachelor of Arts degree in four years, and to the degree of Bachelor of Laws in six years.

THE COLLEGE OF MEDICINE, with a four-year course leading to the degree of Doctor of Medicine. A six-year course leading to the Bachelor's degree and to the degree of Doctor of Medicine.

THE SCHOOL OF PHARMACY, with two-year and three-year courses. Also a four-year course leading to the degree of Bachelor of Science in Pharmacy.

THE SCHOOL OF FINE ARTS, giving courses of instruction of varying length in drawing, painting, wood-carving, modeling, etching, and the history of Art.

THE AFFILIATED SCHOOL OF MUSIC, giving instruction in all grades of instrumental and vocal music.

THE SCHOOL OF AGRICULTURE, a secondary school training primarily for practical farm life.

THE SUMMER SESSION, a six-weeks' course primarily for teachers.

In addition to the foregoing, the University Board of Regents is the governing board of the United States Agricultural Station for

Nebraska and of the Experimental Sub-Station at North Platte; it has entrusted to its care the superintendency of Farmers' Institutes; and the state has made the University professors of botany, chemistry, entomology, and geology ex-officio the state botanist, chemist, entomologist, and geologist, respectively.

The Lincoln Dental College has a contract with the University under which the sciences necessary for the degree in Dentistry are taught at and by the University.

GOVERNMENT—The chancellor, chosen by the board of regents, is the chief executive officer of the University; subject to the rules and orders of the board he has both pedagogical and business supervision over the University as a whole, over the various colleges, and over all the affairs and interests of the University. For each of the colleges within the University the board of regents elects a dean, to be the presiding officer of the faculty of his college and to perform such other duties as the board or the faculty of his college may require. The faculty of each college, subject to the chancellor and the board, determines upon all matters relative to the internal affairs of its college. A University Senate, corresponding to the "General faculty" of other universities, and subject to the chancellor and board, determines questions which concern more than one college or the University as a whole. The deans, heads and acting heads of departments, and all members of the teaching force bearing the title of full professor are voting members of the senate.

BOARD OF REGENTS

HON. CHARLES SUMNER ALLEN.....	Lincoln
Term expires January, 1910	
HON. WILLIAM GUNN WHITMORE.....	Valley
Term expires January, 1910	
*HON. FREDERICK HIRAM ABBOTT.....	Aurora
Term expires January, 1912	
HON. VICTOR GERALD LYFORD.....	Falls City
Term expires January, 1912	
HON. CHARLES BARNEY ANDERSON.....	Crete
Term expires January, 1914	
HON. GEORGE COUPLAND.....	Elgin
Term expires January, 1914	
†HON. HARVEY ELLSWORTH NEWBRANCH.....	Omaha

OFFICERS

HON. CHARLES SUMNER ALLEN.....	President
JAMES STUART DALES.....	Secretary

Executive—MESSRS. ALLEN, LYFORD, WHITMORE

Finance—MESSRS. LYFORD, ALLEN, ANDERSON

Property—MESSRS. ABBOTT, COUPLAND, ANDERSON

Industrial Education—MESSRS. WHITMORE, ABBOTT, COUPLAND

* Resigned July 8, 1909.

† Appointed by the Governor on the resignation of Regent Abbott.
Appointees serve until the first general election.

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

* ELISHA BENJAMIN ANDREWS, D.D., LL.D.
Chancellor Emeritus

SAMUEL AVERY, PH.D.
Chancellor and President of the University Senate
2745 Q Street

JAMES STUART DALES, M.PH.
Secretary of the Board of Regents and of the University Senate
Administration Hall 102
1743 A Street

MAX WESTERMANN
Assistant Secretary of the Board of Regents.
Administration Hall 102
417 South Fourteenth Street

EDGAR HARLAN CLARK, A.B., LL.B.
Purchasing Agent
Administration Hall 202
1848 Prospect Street

PHILIP JOHN HARRISON, A.B.
Registrar and University Publisher
Administration Hall 103
1228 H Street

CHARLES EDMUND CHOWINS, M.E.
Superintendent of Buildings, Grounds and Construction
Administration Hall 208
1802 Washington Street

† ORVILLE JACKSON FEE, A.B.
Superintendent of Grounds, Buildings and Equipment

* Resigned as Chancellor, December, 1908.

† Resigned.

THE UNIVERSITY OF NEBRASKA

ALBERT ALISON REED, A.B.

Inspector of Accredited Schools

Administration Hall 203

1645 G Street

† MRS. EDNA MACDOWELL BARKLEY

Adviser to Women Administration Hall 104

SENATOR WILLIS PERIN

Superintendent of the University Farm

Agricultural Hall

University Farm

WILLIAM PATTON SNYDER, A.B., M.S.

Superintendent North Platte Experimental Sub-Station

North Platte

WILLIAM HILL DUNMAN

Landscape Gardener

Horticultural Hall

3140 Dudley Street

ALICE BAIRD ENSIGN, A.B.

Assistant Registrar Administration Hall 103

1005 E Street

BION LINCOLN KNOWLTON

Accountant

Administration Hall 102

3119 T Street

ALLEN REED BEACH

Chief Clerk at the University Farm

Agricultural Hall 202

WILLIAM WALTER MARSHALL

Executive Clerk of Nebraska Experiment Station

Agricultural Hall 202

JOHN GREEN

Engineer of Heating and Power Plant

327 North Eleventh Street

EDWARD EMIL ANDERSON, B.Sc.

Assistant Superintendent of Construction

Administration Hall 209

1844 P Street

 † Resigned.

WILLIAM WARD VOTAW

Assistant Superintendent in charge of Grounds, Buildings
and Janitors Administration Hall 206
3044 Q Street

*GEORGE LUTHER HEDGES, B.Sc. in E.E.
General Assistant in Superintendent's Office

* WILLIAM DRUMMOND

Electrician
FREDERICK ADDISON HOSFORD
Electrician University Hall
1721 P Street

AIMEE WILSON

Head of Stenographic Bureau
Administration Hall 205
10 Salisbury Block

VADA CLEGG VENNUM

Assistant Registrar Agricultural College and Assistant Secretary to
Faculty of Agricultural College
Agricultural Hall 207
729 South Twenty-eighth Street

MAUDE RENNIE ORD

Secretary to the Chancellor
Administration Hall 101
341 North Thirtieth Street

ADOLPH MAX VOSS, A.B.

Assistant Inspector of Accredited Schools
Administration Hall 203
645 North Thirteenth Street

EDWARD MARKWOOD RUTLEDGE, A.B.

Assistant Registrar Administration Hall 103
2344 Dudley Street

JOHN WILLIAM STOUT

Assistant in Purchasing Agent's Office
Administration Hall 202
325 South Seventeenth Street

* Resigned.

THE UNIVERSITY OF NEBRASKA

MAUD CHEUVRONT

Executive Clerk, Registrar's Office

Administration Hall 103

2800 S Street

JULIET MITCHELL VORE

Assistant in Registrar's Office

Administration Hall 103

3003 J Street

LEO JOSEPH LOGAN

Voucher Clerk, Secretary's Office

Administration Hall 102

1111 H Street

LULU MENLOVE

Assistant in Stenographic Bureau

Administration Hall 205

605 South Tenth Street

JENNIE CHAMBERLAIN HOSFORD

House Supervisor Home Economics

Home Economics Hall

OF THE COLLEGES

CHARLES EDWIN BESSEY, PH.D., LL.D.

Head Dean and Head Professor of Botany

Nebraska Hall 104

1507 R Street

LUCIUS ADELNO SHERMAN, PH.D.

Dean of the Graduate College Library Hall 301

1234 J Street

ELLERY WILLIAM DAVIS, PH.D.

Dean of the College of Arts and Sciences

Mechanic Arts Hall 301½

1345 South Eighteenth Street

* HENRY BALDWIN WARD, PH.D.

Dean of the College of Medicine

Nebraska Hall 206

* Resigned

* GEORGE PURCELL COSTIGAN, JR., A.M., LL.B.

Dean of the College of Law

EDGAR ALBERT BURNETT, B.Sc.

Dean of the College of Agriculture, Director of Nebraska

Experiment Stations Agricultural Hall 202
3206 Holdrege Street

CHARLES RUSS RICHARDS, M.E., M.M.E.

Dean of the College of Engineering
Mechanic Arts Hall 203½
1803 A Street

CHARLES FORDYCE, PH.D.

Dean of the Teachers College
Administration Hall 104
1921 C Street

WILLIAM GRANGER HASTINGS, A.B.

Dean of the College of Law University Hall 308
827 North Twenty-sixth Street

HAROLD GIFFORD, B.S., M.D.

Associate Dean of the College of Medicine
563 Brandeis Building, Omaha

OF THE SCHOOLS

ALBERT EUGENE DAVISSON, A.B.

Head Professor of Agricultural Education, Principal of the School of
Agriculture, and Associate Director of the Summer Session
Agricultural Hall 207
220 South Twenty-sixth Street

SARA SHEWELL HAYDEN

Director of the School of Fine Arts
Library Hall 305
1820 B Street

RUFUS ASHLEY LYMAN, A.M., M.D.

Director of the School of Pharmacy
Nebraska Hall 7
1641 South Twenty-first Street

THE UNIVERSITY OF NEBRASKA

WILLARD KIMBALL

Director of the University School of Music

Conservatory
1936 D Street

PAUL HENRY GRUMMANN, A.M.

Director of the Summer Session

University Hall 111
1930 Washington Street

ALBERT ALISON REED, A.B.

Associate Director of the Summer Session

Administration Hall 203
2741 Randolph Street

JULIA EMMELINE LOUGHRIDGE

Assistant Principal of the School of Agriculture

Agricultural Hall 204
2520 R Street

OF THE LIBRARY, MUSEUM AND GYMNASIUM

WALTER KENDALL JEWETT, A.B., M.D.

Librarian

Library Hall
1634 D Street

ERWIN HINCKLEY BARBOUR, Ph.D.

Curator of the University Museum

Museum
1234 R Street

RAYMOND GUSTAVUS CLAPP, Ph.B., M.D.

Director of the Men's Gymnasium

Grant Memorial Hall
641 South Thirteenth Street

* ALICE CHRISTINE TOWNE, A.B.

Director of the Women's Gymnasium

Grant Memorial Hall

NELLIE JANE COMPTON, A.B.

Assistant Librarian

Library Hall
2336 P Street

* Resigned.

CLARA CRAIG, A.B.

Reference Librarian Library Hall
421 South Twenty-eighth Street

MARION CINDERELLA BELL, A.B., B.L.S.

Cataloger in the Library Library Hall
919 C Street

CARRIE ADELINE BARBOUR

Assistant Curator of the University Museum Museum
1446 Q Street

GEORGE NEWTON LAMB, B.Sc.

Acting Curator of the Herbarium
Nebraska Hall 102

EDNA CLARA NOBLE, B.L.

Library Assistant Agricultural Hall
University Place

MABELLE BENTON BEATTIE, A.M.

Library Assistant
Mechanic Arts Hall 202
1452 Q Street

CLARA GLIDDEN, A.B.

Library Assistant Library Hall
1118 South Twelfth Street

HARRIET WILSON, A.B.

Library Assistant College of Law Library
1410 Q Street

ALBERT WARREN DANN, A.B.

Library Assistant Library Hall
3037 R Street

THE UNIVERSITY SENATE

OFFICERS

SAMUEL AVERY, PH.D., Chancellor of the University.....President
 JAMES STUART DALES, M.PH., Secretary of the Board of
 Regents.....Secretary

MEMBERS

CHARLES EDWIN BESSEY, PH.D., LL.D., Head Dean and Head
 Professor of Botany.
 LUCIUS ADELNO SHERMAN, PH.D., Dean of the Graduate College
 and Head Professor of the English Language and Literature.
 ELLERY WILLIAMS DAVIS, PH.D., Dean of the College of Arts and
 Sciences and Head Professor of Mathematics.
 * HENRY BALDWIN WARD, PH.D., Dean of the College of Medicine
 and Head Professor of Zoology.
 * GEORGE PURCELL COSTIGAN, JR., A.M., LL.D., Dean of the Col-
 lege of Law.
 EDGAR ALBERT BURNETT, B.Sc., Dean of the College of Agriculture
 and Director of Experiment Stations.
 CHARLES RUSS RICHARDS, M.E., M.M.E., Dean of the College of
 Engineering and Head Professor of Mechanical Engineering and
 Practical Mechanics.
 CHARLES FORDYCE, PH.D., Dean of the Teachers College and Head
 Professor of Educational Theory and Practice.
 WILLIAM GRANGER HASTINGS, A.B., Dean of the College of Law.
 HAROLD GIFFORD, B.S., M.D., Associate Dean of the College of
 Medicine and Professor of Ophthalmology and Otology.
 GROVE ETTINGER BARBER, A.M., Head Professor of Roman His-
 tory and Literature.
 HOWARD WALTER CALDWELL, A.M., Head Professor of American
 History.
 LAWRENCE BRUNER, B.Sc., Head Professor of Entomology and
 Acting State Entomologist.

* Resigned.

- LAURENCE FOSSLER, A.M., Head Professor of the Germanic Languages and Literatures.
- JAMES THOMAS LEES, PH.D., Head Professor of Greek History and Literature.
- EDWIN HINCKLEY BARBOUR, PH.D., Head Professor of Geology, State Geologist, and Curator of the University Museum.
- FRED MORROW FLING, PH.D., Head Professor of European History.
- OSCAR VAN PELT STOUT, B.C.E., C.E., Head Professor of Civil Engineering.
- WILLIAM GEORGE LANGWORTHY TAYLOR, A.B., LL.B., Head Professor of Political Economy and Commerce.
- ALBERT THEODORE PETERS, D.V.M., Head Professor of Animal Pathology.
- GEORGE WASHINGTON ANDREW LUCKEY, PH.D., Head Professor of Education.
- PROSSER HALL FRYE, A.B., Head Professor of Rhetoric.
- ALBERT EUGENE DAVISSON, A.B., Head Professor of Agricultural Education and Principal of the School of Agriculture.
- ARCHIBALD LOUIS HAECKER, B.Sc.A., Head Professor of Dairy Husbandry.
- HOWARD REMUS SMITH, B.Sc., Head Professor of Animal Husbandry.
- GEORGE ELLIOTT HOWARD, PH.D., Head Professor of Political Science and Sociology.
- HARRY KIRKE WOLFE, PH.D., Head Professor of Philosophy.
- FREDERICK JAMES ALWAY, PH.D., Head Professor of Agricultural Chemistry.
- ROSA BOUTON, A.M., Professor of Home Economics.
- HENRY H. WILSON, A.M., LL.M., Professor of Law.
- CLARA CONKLIN, A.M., Professor of Romance Languages and Literatures.
- ALBERT LUTHER CANDY, PH.D., Professor of Pure Mathematics.
- GOODWIN DELOSS SWEZEY, A.M., Professor of Astronomy.
- ROBERT HENRY WOLCOTT, A.M., M.D., Professor of Anatomy.
- GEORGE RICHARD CHATBURN, B.C.E., A.M., Professor of Applied Mechanics and Machine Design.
- WILLIAM FRANCIS DANN, A.M., Professor of the History and Criticism of the Fine Arts.

EDGAR LENDERSON HINMAN, PH.D., Professor of Logic and Metaphysics.

BURTON EVANS MOORE, PH.D., Professor of Physics.

CARL CHRISTIAN ENBERG, PH.D., Professor of Applied Mathematics.

GEORGE HART MORSE, B.E.E., Professor of Electrical Engineering.

ROLLINS ADAMS EMERSON, B.Sc., Professor of Horticulture.

CLARENCE AURELIUS SKINNER, PH.D., Professor of Physics.

PAUL HENRY GRUMMANN, A.M., Professor of Modern German Literature.

JOHN EDWIN ALMY, PH.D., Professor of Experimental Physics.

MILLER MOORE FOGG, A.M., Professor of Rhetoric.

WILLSON ORTON BRIDGES, M.D., Professor of the Principles and Practice of Medicine and Clinical Medicine.

RAYMOND GUSTAVUS CLAPP, PH.B., M.D., Professor of Physical Education and Director of Athletics.

BYRON BENNETT DAVIS, A.B., M.D., Professor of Principles of Surgery and Clinical Surgery.

OSCAR SAMUEL HOFFMAN, M.D., Professor of Clinical Medicine.

HANS PETER JENSEN, M.D., Professor of Electro-Therapeutics.

AUGUST FREDERICK JONAS, M.D., Professor of Practice of Surgery and Clinical Surgery.

HARRY MONROE McCLANAHAN, M.D., Professor of Pediatrics.

DONALD MACRAE, JR., M.D., Professor of Clinical Surgery.

RICHARD CHANNING MOORE, M.D., Professor of Diseases of the Mind.

FRANK STYLES OWEN, M.D., Professor of Laryngology and Rhinology.

ANDREW BARTHOLOMEW SOMERS, M.D., Professor of Obstetrics.

OLON RODNEY TOWNE, A.M., M.D., Professor of Hygiene and State Medicine.

VERNON LAWRENCE TREYNOR, M.D., Professor of Clinical Medicine.

WILLIAM FORSYTH MILROY, M.D., Professor of Clinical Medicine and Physical Diagnosis.

GEORGE EVERT CONDRA, PH.D., Professor of Geography and Economic Geology.

WILLIAM ALBERT WILLARD, A.M., Professor of Histology and Embryology.

RUFUS ASHLEY LYMAN, A.M., M.D., Professor of Pharmacodynamics and Director of the School of Pharmacy.

FERDINAND COURTNEY FRENCH, PH.D., Professor of Philosophy.

HERBERT HAROLD WAITE, A.M., M.D., Professor of Bacteriology and Pathology.

BENTON DALES, PH.D., Professor of Analytical Chemistry (in charge of the Department of Chemistry).

LEON WILSON CHASE, B.Sc., Professor of Farm Mechanics.

AUGUST ERNEST GUENTHER, PH.D., Professor of Physiology.

PALMER FINDLEY, B.S., M.D., Professor of Didactic and Clinical Gynecology.

EDWIN MAXEY, D.C.L., PH.M., Professor of Public Law and Diplomacy.

ALBERT SCHALEK, A.M., M.D., Professor of Dermatology and Genito-Urinary Diseases.

* WILLIAM CLARENCE WEBSTER, PH.D., Professor of Commerce.

* ALVIN KEYSER, A.M., Professor of Soils.

EDWARD GERRARD MONTGOMERY, B.Sc., Professor of Experimental Agronomy.

ERNEST BANCROFT CONANT, A.B., LL.B., Professor of Law.

FRANK J. PHILLIPS, A.B., M.S.F., Professor of Forestry.

HUTTON WEBSTER, PH.D., Professor of Social Anthropology.

ALBERT ALISON REED, A.B., Inspector of Accredited Schools and Professor of Secondary Education.

HARTLEY BURR ALEXANDER, PH.D., Professor of Philosophy.

LEROY CRUMMER, M.D., Professor of Therapeutics.

* JAMES EDWARD LEROSIGNOL, PH.D., Professor of Political Economy and Private Finance.

* CHESTER GARFIELD VERNIER, A.B., J.D., Professor of Law.

EDWIN MEAD WILCOX, PH.D., Professor of Agricultural Botany.

CHARLES WILLIAM PUGSLEY, B.Sc., Professor of Agronomy and Soil Agronomist.

GEORGE OLIEEN VIRTUE, PH.D., Professor of Political Economy and Public Finance.

CHARLES AUGUSTUS ROBBINS, PH.M., LL.B., Professor of Law.

* Resigned.

SAMUEL JOHNSON TUTTLE, A.M., LL.B., Professor of Law.
 WILLARD KIMBALL, Director of the University School of Music.
 * MRS. EDNA MACDOWELL BARKLEY, Adviser to Women.
 SARA SHEWELL HAYDEN, Director of School of Fine Arts.
 SARKA HRBKOVÁ, Acting Head of the Department of Slavonic.

STANDING COMMITTEES OF THE SENATE

Accredited Schools and Admission to Freshman Standing in the Colleges—PROFESSOR LEES (chairman), PROFESSORS BARBER, BARBOUR, BESSEY, CALDWELL, CONKLIN, DALES, DAVIS, DAVISSON, FLING, FOSSLER, FRYE, HOWARD, LUCKEY, REED, RICHARDS, SHERMAN, SKINNER, SWEZEY, TAYLOR, and WARD.

Athletics—PROFESSORS BARBER, CALDWELL, CLAPP, RICHARDS, SKINNER, and WOLFE.

Calendar and Bulletins—THE CHANCELLOR (chairman); THE DEANS, PROFESSOR FRYE, and THE REGISTRAR (secretary).

Delinquent Students—PROFESSOR CHATBURN (chairman), THE ADVISER TO WOMEN, PROFESSOR ENGBERG (secretary), PROFESSOR FRYE and the chairman of the Inter-Fraternity Council.

Emergencies—THE CHANCELLOR (chairman), and THE DEANS.

The Library—THE CHANCELLOR, THE DEANS, and PROFESSOR JEWETT (secretary).

Publication of University Studies—PROFESSOR SHERMAN (chairman), PROFESSORS BESSEY, FLING, GRUMMANN, and JEWETT (editor).

Student Organizations and Social Functions—PROFESSOR CHATBURN, PROFESSOR FLING (auditor), ADVISER TO WOMEN, CHAIRMAN OF THE INTER-FRATERNITY COUNCIL, and the CHAIRMAN OF THE INTER-SORORITY COUNCIL, the chairman to be elected by the committee.

Convocation Exercises—PROFESSOR GRUMMANN (chairman), MRS. RAYMOND, and THE REGISTRAR.

University Extension—PROFESSOR CALDWELL (chairman), PROFESSORS BARBOUR, BRUNER, HOWARD, and MCBRIEN.

Student Publications—PROFESSOR FOSSLER (chairman), PROFESSORS AYLESWORTH, GASS, STOUT, and MR. CLARK.

Nominations—THE CHANCELLOR (chairman), PROFESSORS BARBER, BESSEY, HOWARD, LEES, and RICHARDS.

* Resigned.

MEMBERS OF THE FACULTIES AND OFFICERS

ABBREVIATIONS

Adm.=Administration

FACULTIES

A = College of Agriculture
 AS = College of Arts and Sciences
 E = College of Engineering
 G = Graduate College

L = College of Law
 M = College of Medicine
 T = Teachers College

OFFICES

Adm.=Administration Hall, Campus
 Agr. H = Agricultural Hall, Farm
 B = Brace Laboratory of Physics, Campus
 C = Chemistry Hall, Campus
 D = Dairy Hall, Farm
 E = Engineering Laboratories, Campus
 E. S. = Experiment Station Hall, Farm
 G = Grant Memorial Hall, Campus

H. E. = Home Economics Hall, Farm
 Hort. H. = Horticultural Hall, Farm
 L = Library Hall, Campus
 M = Mechanic Arts Hall, Campus
 Mach. H. = Machinery Hall, Farm
 Mus. = Museum Hall, Campus
 N = Nebraska Hall, Campus
 S = Soldiers' Memorial Hall, Campus
 U = University Hall, Campus

JOSEPH MELANCHTHON AIKIN, M.D., Clinical Professor of Nervous Diseases (M), 486 Brandeis Building, Omaha.

HARTLEY BURR ALEXANDER, PH.D., Professor of Philosophy (AS, G), L 110, 1736 Garfield street.

JOHN MERRIAM ALEXANDER, Assistant Political Economy (AS), 345 South Twenty-fifth street.

JOHN EDWIN ALMY, PH. D., Professor of Experimental Physics (AS, G, E), Brace Laboratory, 2300 A street.

FREDERICK JAMES ALWAY, PH.D., Head Professor of Agricultural Chemistry (A, G), Experiment Station Hall, 517 East Fifteenth street, University Place.

AUGUST N. ANDERSON, M.D., Fellow in Swedish (AS), U 108, 405 South Eighteenth street.

EDWARD EMIL ANDERSON, B.Sc., Assistant Superintendent of Construction (Adm), Adm. 209, 1844 P street.

ROBERT CHILDERS ASHBY, B.Sc. in Agri., Instructor in Animal Husbandry (A), Agr. H 104, 621 North Twenty-fourth street.

SAMUEL AVERY, PH.D., Chancellor and President of the University Senate, Adm. 101.

- LEON EMMONS AYLSWORTH, A.M., Professor of Political Science (AS, G), U 103, 2048 Vine street.
- ALVA ALDUS BAER, Instructor in Wood-work, Department of Farm Mechanics (A), Machinery Hall, 1729 Prospect street.
- GROVE ETTINGER BARBER, A.M., Head Professor of Roman History and Literature (AS, T, G), U 205, 620 South Tenth street.
- CARRIE ADELINE BARBOUR, B.Sc., Assistant Curator of the University Museum (AS), Museum, 1446 Q street.
- ERWIN HINCKLEY BARBOUR, Ph.D., Head Professor of Geology, State Geologist, and Curator of the University Museum (AS), Museum, 1234 R street.
- FRANKLIN DAVIS BARKER, A.M., Associate Professor of Zoology (AS, M, T, G), N 302, 1771 South Twenty-sixth street.
- PERCY BONSFIELD BARKER, A.B., Adjunct Professor of Soils (A), Experiment Station Hall, 533 North Thirteenth street.
- * MRS. EDNA MACDOWELL BARKLEY, Adviser to Women (AS, G, T), Adm. 104, 1827 E street.
- OSCAR LEONARD BARNEBEY, A.M., Instructor in Chemistry (AS), 2008 R street.
- VIOLA FLORENCE BARNES, A.B., Scholar in English Language and Literature (AS), 1632 L street.
- MILTON D. BAUMGARTNER, Adjunct Professor of German (AS), U 108, Lyman Terrace.
- ALLEN REED BEACH, Chief Clerk at the University Farm (Adm), Agr. Hall 202.
- MABELLE BENTON BEATTIE, A.M., Library Assistant (Adm), MA 202, 1452 Q street.
- MARION CINDERELLA BELL, A.B., B.L.S., Cataloger in the Library (Adm), Library Hall, 919 C street.
- NELS AUGUST BENGTSON, A.M., Adjunct Professor of Geography and Economic Geology (AS), U 7, 2307 Lynn street.
- CLAUDIUS EDMUND BENNETT, B.Sc., Assistant in Physics (AS), B 308, 1001 Jackson street, Havelock.
- CHARLES EDWIN BESSEY, Ph.D., LL.D., Head Dean and Head Professor of Botany (AS, T, A, G), N 104, 1507 R street.
- †GEORGE HAMLIN BICKNELL, M.D., Adjunct Professor of Ophthalmology and Otology (M).

* Resigned.

† Deceased.

RODNEY WALDO BLISS, B.S., M.D., Instructor in Clinical Pathology and Internal Medicine (M), 312 McCague Building, Omaha.

E. A. BOOSTROM, Fellow in Botany (AS).

GEORGE BORROWMAN, A.M., Adjunct Professor of Chemistry (AS, E), Chemistry Hall, 407 South Fourteenth street.

ROSA BOUTON, A.M., Professor of Home Economics (A, T), Home Economics Hall, University Farm.

ALFRED BOYD, B.Sc. in E.E., Adjunct Professor of Civil Engineering (E), M 205, 1128 T street.

WILLIAM CHARLES BRENKE, PH.D., M.Sc., Associate Professor of Mathematics (AS, E), M 301½, 400 South Twenty-sixth street.

*ABBIE BRICH, A.B., Instructor in Home Economics (A), Home Economics Hall.

WILLSON ORTON BRIDGES, M.D., Professor of the Principles and Practice of Medicine and Clinical Medicine (M), 302 Bee Building, Omaha.

HENRIETTA McELROY BROCK, Instructor in China Painting (AS), L 305, 620 South Tenth street.

LAWRENCE BRUNER, B.Sc., Head Professor of Entomology and Acting State Entomologist (AS, A, T, G), N 303, 2314 South Seventeenth street.

FLORA BULLOCK, A.M., Instructor in English (A, AS), Agricultural Hall 109, Thirty-sixth and Y streets.

GRACE BUNCE, A.B., Scholar in European History (AS), 631 South Eleventh street.

ALBERT BUNTING, Adjunct Professor of Practical Mechanics (E), Engineering Shops, 1721 C street.

EDGAR ALBERT BURNETT, B.Sc., Dean of the College of Agriculture and Director of Experiment Stations (A), Agricultural Hall 202, 3206 Holdrege street.

HOWARD WALTER CALDWELL, A.M., Head Professor of American History (AS, G, T), U 210, 1919 E street.

ALBERT LUTHER CANDY, PH.D., Professor of Pure Mathematics (AS, T, G), M 304, 1003 H street.

* ALLEN CARPENTER, A.M., Instructor in Mathematics (AS), M 301½.

* Resigned.

- ANNIS SARAH CHAIKIN, A.B., Fellow and Assistant in Greek (AS), Hays Hall.
- MAY CHAMBERLAIN, A.M., Instructor in Germanic Languages and Literatures (AS), U 109, 2730 Q street.
- LEON WILSON CHASE, B.Sc., Professor of Farm Mechanics (A), Machinery Hall, 1245 North Thirty-third street.
- GEORGE RICHARD CHATBURN, B.C.E., A.M., Professor of Applied Mechanics and Machine Design (E, G), M 309, 2850 P street.
- MAUD CHEUVRONT, Executive Clerk Registrar's office (Adm), Adm. 103, 2800 S street.
- CHARLES EDMUND CHOWINS, M.E., Superintendent of Buildings, Grounds and Construction (Adm), Adm. 208, 1802 Washington street.
- JOHN MARTIN CHOWINS, Expert Mechanician, Department of Physics (AS, E), Brace Laboratory, 2820 T street.
- VIVIAN LEROY CHRISLER, A.M., Assistant in Physics (AS), Brace Laboratory.
- BURTON WHITFORD CHRISTIE, B.Sc., M.D., Instructor in Pediatrics (M), 48 Barker Block, Omaha.
- RAYMOND GUSTAVUS CLAPP, Ph.B., M.D., Professor of Physical Education and Director of Athletics (AS, T, G, M), Grant Memorial Hall, 641 South Thirteenth street.
- EDGAR HARLAN CLARK, A.B., LL.B., Purchasing Agent (Adm), Adm. 202, 1848 Prospect street.
- AUGUSTUS DAVIS CLOYD, M.D., Lecturer in Life Insurance Examinations (M), Woodmen Building, Omaha.
- NELLIE JANE COMPTON, A.B., Assistant Librarian (Adm), Library Hall, 2336 P street.
- ERNEST BANCROFT CONANT, A.B., LL.B., Professor of Law (L), U 308, 719 South Sixteenth street.
- GEORGE EVERT CONDRA, Ph.D., Professor of Geography and Economic Geology (AS, A, E, T, G) Museum, (or U 7), 1319 Q street.
- CLARA CONKLIN, A.M., Professor of the Romance Languages and Literatures (AS, T, G), U 301, 1220 L street.
- WILLIAM WALTER CORT, A.B., Scholar in Zoology (AS), N 207.
- * GEORGE PURCELL COSTIGAN, JR., A.M., LL.B., Dean of the College of Law.

* Resigned.

CLARA CRAIG, A.B., Reference Librarian (Adm), Library Hall, 421 South Twenty-eighth street.

LEROY CRUMMER, M.D., Professor of Therapeutics (M), Omaha.

BENTON DALES PH.D., Professor of Analytical Chemistry—in charge of Department of Chemistry (AS, T, E, G), Chemistry Hall, 2030 C street.

JAMES STUART DALES, M.PH., Secretary of the Board of Regents and of the University Senate (Adm), Adm. 102, 1743 A street.

ALBERT WARREN DANN, A.B., Library Assistant (Adm), 3037 R street.

WILLIAM FRANCIS DANN, A.M., Professor of the History and Criticism of the Fine Arts (AS, T, G), U 202, 3037 R street.

BRITTANIA DAUGHTERS, A.B., Scholar in Education (T), U 209.

BYRON BENNETT DAVIS, A.B., M.D., Professor of Principles of Surgery and Clinical Surgery (M), 202 Bee Building, Omaha.

ELLERY WILLIAMS DAVIS, PH.D., Dean of the College of Arts and Sciences and Head Professor of Mathematics (AS, T, E, G), M 301½, 1345 South Eighteenth street.

ALBERT EUGENE DAVISSON, A.B., Head Professor of Agricultural Education, Principal of the School of Agriculture, and Associate Director of the Summer Session (A, T), Agricultural Hall 207, 1321 South Eighteenth street.

ELSIE DAY, A.B., Fellow in Pharmacodynamics (AS, M), N 3, 1641 South Twenty-first street.

CHARLES LEE DEAN, B.Sc. in M.E., Assistant Professor of Mechanical Engineering (E, G), M 211, 2638 O street.

GEORGE LEWIS DELACY, LL.B., Assistant Instructor of Law (L), U 310 A.

GRACE GOLDENA DENNY, Instructor in Home Economics (A), Home Economics Hall, 1726 Q street.

GLAIDETH DENNY, A.B., Assistant in German and History (A), Agr. Hall 204, 1726 Q street.

* WILLIAM DRUMMOND, Electrician (Adm), 511 North Twenty-seventh street.

WILLIAM HILL DUNMAN, Landscape Gardener (Adm), Horticultural Hall, 3140 Dudley street.

* Resigned.

- LUCILE EAVES, A.B., M.S.C., Associate Professor of Practical Sociology (AS, G), U 103.
- AARON WELCH EDMISTON, M.D., Instructor in Bandaging and Surgical Dressing (M), 3 Creighton Block, Omaha.
- CLARENCE EMERSON, PH.D., Instructor in Bacteriology (M, AS), N 303, 2640 K street.
- ROLLINS ADAMS EMERSON, B.Sc., Professor of Horticulture (A, AS, T), Horticultural Hall, 1205 North Thirty-third street.
- CARL CHRISTIAN ENGBERG, PH.D., Professor of Applied Mathematics (AS, E, G), M 302, 330 North Thirty-second street.
- MINNIE THROOP ENGLAND, PH.D., Instructor in Political Economy (AS), U 101, University Place.
- ALICE BAIRD ENSIGN, A.B., Assistant Registrar (Adm), Adm. 103, 1005 E street.
- IVA ERNSBERGER, Fellow in Mathematics (AS), M 302.
- FLORA GRACE ERNST, A.M., Fellow and Assistant in Botany (AS), N 108, 1527 South Thirteenth street.
- HARRY HARDING EVERETT, B.Sc., M.D., Instructor in Surgical Pathology (M), M 300.
- NORA MAY FAIRCHILD, M.D., Clinical Assistant in Gynecology (M), 826 Brandeis Building, Omaha.
- PALMER FINDLEY, B.S., M.D., Professor of Didactic and Clinical Gynecology (M), 302 Bee Building, Omaha.
- CLAUDE COPLEY FLANSBURG, Lecturer on Advocacy (L), Funke Building, 1645 A street.
- FRED MORROW FLING, PH.D., Head Professor of European History (AS, T, G), L 308, 1304 B street.
- MILLER MOORE FOGG, A.M., Professor of Rhetoric (AS, T, G) U 107, 1630 G street.
- HARRIET FOLGER, Associate Professor of Home Economics (A), Home Economics Hall.
- DANIEL FORD, A.M., Adjunct Professor of Rhetoric (AS), U 107, Melick Court.
- CHARLES FORDYCE, PH.D., Dean of the Teachers College and Head Professor of Educational Theory and Practice (T, AS, G), Adm. 104, 1921 C street.
- LAURENCE FOSSLER, A.M., Head Professor of the Germanic Languages and Literatures (AS, T, G), U 1547 South Seventeenth street.

- MARY LOUISE FOSSLER, A.M., Adjunct Professor of Chemistry (AS, M), Chemistry Hall, 2434 Q street.
- CLARENCE JACKSON FRANKFORTER, A.M., Instructor in Chemistry and Custodian of Supplies (AS), C, 2261 Vine street.
- FERDINAND COURTNEY FRENCH, PH.D., Professor of Philosophy (AS, T, G), L 110, 644 North Twenty-sixth street.
- WILLIAM LUTHER FRENCH, B.Sc., Adjunct Professor of Dairy Husbandry (A), Dairy Hall.
- PROSSER HALL FRYE, A.B., Head Professor of Rhetoric (AS, T, G), U 107, 528 South Tenth street.
- JOSEPH RICHARD FULK, A.B., Fellow in American History (AS), U 210.
- JAMES HARRISON GAIN, M.D.C., Associate Professor of Animal Pathology (A), A 104, 3045 Holdrege street.
- SHERLOCK BRONSON GASS, A.B., PH.B., Adjunct Professor of Rhetoric (AS), U 107, 1712 E street.
- KATHERINE EMILY GIBSON, A.M., Fellow in German (AS), U 108.
- HAROLD GIFFORD, B.S., M.D., Associate Dean of the College of Medicine and Professor of Ophthalmology and Otology (M), 563 Brandeis Building, Omaha.
- INA ESTELLE GITTINGS, A.B., Instructor in Physical Education (AS), Memorial Hall, 226 North Twenty-sixth street.
- CLARA GLIDDEN, A.B., Library Assistant (Adm), Library Hall, 1118 South Twelfth street.
- JAMES SAMUEL GOETZ, M.D., Instructor in Internal Medicine (M), 324 Bee Building, Omaha.
- TOBIE AGNES GORDON, Fellow in Romance Languages (AS), U 301, 2111 L street.
- MARY CATHERINE GRAHAM, A.B., Assistant Instructor in Chemistry (AS), Chemistry Hall, 335 South Twenty-fifth street.
- JOHN GREEN, Engineer of Heating and Power Plant (Adm), 327 North Eleventh street.
- EDITH ANITA GRIMM, A.B., Scholar in Latin (AS), U 205.
- PAUL HENRY GRUMMANN, A.M., Professor of Modern German Literature (AS, T, G), U 111, 1930 Washington street.
- AUGUST ERNEST GUENTHER, PH.D., Professor of Physiology (AS, M, G), N 5, 1712 E street.
- ARCHIBALD LOUIS HAECKER, B.Sc.A., Head Professor of Dairy Husbandry (A, T), Dairy Hall, 503 South Twenty-sixth street.

- AUGUST HAGENOW, Instructor of the Band (AS), Grant Hall, 2134 A street.
- GEORGE WASHINGTON HANN, B.Sc., Fellow in Mathematics (AS), NIELS PETER HANSEN, Ph.G., Lecturer in Pharmacy (AS), N 7, 1933 Garfield street.
- EARL RUSSELL HARNLEY, Laboratory Assistant in Dairy Husbandry (A), 2940 Holdrege street.
- ELLA BRADFORD HARPER, A.B., Instructor in Home Economics (A), Home Economics Hall, 928 South Tenth street.
- PHILIP JOHN HARRISON, A.B., Registrar and University Publisher (Adm), Adm. 103, 1228 H street.
- WILLIAM GRANGER HASTINGS, A.B., Dean of the College of Law (L), U 310, 827 North Twenty-sixth street.
- SARA SHEWELL HAYDEN, Director of School of Fine Arts (AS, T), L 305, 1820 B street.
- CHARLES M. HECK, A.M., Assistant Professor of Physics (AS), Brace Laboratory, 1501 S street.
- AMANDA HENRIETTA HEPPNER, A.M., Professor of the Germanic Languages and Literatures (AS), U 110, 944 Washington street.
- WALTER GARFIELD HILTNER, B.Sc., M.D., Demonstrator in Anatomy (M, AS), M 300.
- EDGAR LENDERSON HINMAN, Ph.D., Professor of Logic and Metaphysics (AS, G), L 110, 2510 T street.
- OSCAR SAMUEL HOFFMAN, M.D., Professor of Clinical Medicine (M), 324 Bee Building, Omaha.
- ROBERT RUSSELL HOLLISTER, M.D., Instructor in Surgery and Gynecology (M), 400 Bee Building, Omaha.
- VERNON LEO HOLLISTER, B.S., Adjunct Professor of Electrical Engineering (E), Mechanic Arts Hall 109.
- ERWIN HOPT, B.Sc., Instructor in Agriculture (A), Experiment Station Hall, 1225 North Thirtieth street.
- FREDERICK ADDISON HOSFORD, Electrician (Adm), Adm. 207, 1721 P street.
- JENNIE CHAMBERLAIN HOSFORD, House Supervisor (A), Home Economics Hall.
- GEORGE ELLIOTT HOWARD, Ph.D., Head Professor of Political Science and Sociology (AS, T, G), U 103, 1910 E street.
- ROBERT FRANCIS HOWARD, B.Sc. in Agr., Assistant Horticulturist in Experiment Station (A).

- HARRIET ALICE HOWELL, A.M., Adjunct Professor of Elocution (AS, T), U 106, Melick Court.
- SARKA HRBKOVA, Acting Head of the Department of Slavonic (AS), U 108, 1726 Q street.
- CHARLES AARON HULL, M.D., Clinical Assistant in Surgery (M), 200 Bee Building, Omaha.
- ALFRED ONIAS HUNT, D.D.S., Lecturer in Dental Surgery (M), 420 Bee Building, Omaha.
- ALICE CUSHMAN HUNTER, Ph.D., Adjunct Professor of Roman History and Literature (AS), U 205, 1448 R street.
- DELLA ELIZABETH INGRAM, Fellow in Botany (AS), N 108, Hays Hall.
- ALFRED JEFFERSON, M.D., Clinical Assistant in Gynecology (M), 309 Ramge Block, Omaha.
- HANS PETER JENSEN, M.D., Professor of Electro-Therapeutics (M), 2804 Harney street, Omaha.
- WALTER KENDALL JEWETT, A.B., M.D., Librarian (Adm), Library Hall, 1634 D street.
- EARL GEORGE JOHNSON, A.B., Scholar in Zoology (AS, M), N 208.
- HENRY T. JOHNSON, Ph.D., Instructor in Mathematics (AS), M 301½.
- AUGUST FREDERICK JONAS, M.D., Professor of Practice of Surgery and Clinical Surgery (M), 454 Brandeis Building, Omaha.
- GUERNSEY JONES, Ph.D., Associate Professor of American History (AS, G), U 210, 1418 L street.
- LOYD ANCILE JONES, B.Sc. in E.E., Assistant in Physics (AS), Brace Laboratory, 1425 U street.
- CHARLES REX KENNEDY, M.D., Instructor in Surgery (M), 536 Brandeis Building, Omaha.
- * ALVIN KEYSER, A.M., Professor of Soils (A), Experiment Station Hall.
- VAL KEYSER, B.Sc., Superintendent of Farmers' Institutes (A), Agricultural Hall, 630 North Thirtieth street.
- THEODORE ALEXANDER KIESSELBACH, A.B., Assistant in Experimental Agronomy (A).
- WILLARD KIMBALL, Director of the University School of Music (AS), Conservatory, 1936 D street.

* Resigned.

- JOHN JOSEPH KLINK, M.D., Assistant in Dermatology (M), 300 Bee Building, Omaha.
- BION LINCOLN KNOWLTON, Accountant (Adm), Adm. 102, 3119 T street.
- JULIA KORSMEYER, A.M., Adjunct Professor of Romance Languages and Literatures (AS, G), U 302, 1920 C street.
- GEORGE NEWTON LAMB, B.Sc., Acting Curator of Herbarium (AS), Museum, 2427 P street.
- WALLACE RUTHERFORD LANE, LL.B., Lecturer on Patent, Copyright, and Trade Mark Law (L), Des Moines, Iowa.
- GEORGE ROGER LA RUE, A.M., Technician in Zoology (AS), N 207.
- JOHN JAMES LEDWITH, B.Sc., LL.B., Instructor in Law (L), U 310 A, 2147 K street.
- JAMES THOMAS LEES, PH.D., Head Professor of Greek History and Literature (AS, G, T), U 215, 645 North Thirtieth street.
- HENRY JOHN LEHNHOFF, A.B., M.D., Instructor in Surgery (M), M 300, 1945 E street.
- HENRY BASSETT LEMERE, M.D., Instructor in Ophthalmology and Otology (M), 309 Paxton Block, Omaha.
- *JAMES EDWARD LEROSIGNOL, PH.D., Professor of Political Economy and Public Finance (AS), U 101.
- J. G. W. LEWIS, Fellow in American History (AS), U 210.
- LEO JOSEPH LOGAN, Voucher Clerk, Secretary's Office (Adm), Adm. 102, 1111 H street.
- JULIA EMMELINE LOUGHRIDGE, A.B., Assistant Principal of the School of Agriculture (A), Agricultural Hall 204, 2520 R street.
- GEORGE ANDREW LOVELAND, A.M., LL.B., Assistant Professor of Meteorology, and Observer and Section Director United States Weather Bureau (AS, G), Brace Laboratory, 1130 South Twentieth street.
- GEORGE WASHINGTON ANDREW LUCKEY, PH.D., Head Professor of Education (AS, T, G), U 209, 1439 R street.
- PAUL HAGANS LUDINGTON, A.B., M.D., Instructor of Medicine (M), 811 Brandeis Building, Omaha.
- ANNA MAUDE LUTE, B.Sc., A.B., Fellow in Education (AS, T), U 209, 1500 R street.

* Resigned.

- RUFUS ASHLEY LYMAN, A.M., M.D., Professor of Pharmacodynamics and Director of the School of Pharmacy (M, Pharmacy), N 7, 1641 South Twenty-first street.
- JASPER LEONIDAS McBRIEN, A.M., Director of University Extension Work (AS), Adm. 203, 713 South Eighteenth street.
- HARRY MONROE McCLANAHAN, M.D., Professor of Pediatrics (M), 468 Brandeis Building, Omaha.
- HAROLD EDGAR McCOMB, A.M., Assistant in Physics (AS), Brace Laboratory.
- FLORENCE S. McCONNELL, Scholar in English Language and Literature (AS), L 301.
- MARGARET HELEN McLEAN, Fellow in Mathematics (AS), M 302.
- SAMUEL McKELVIE, Lecturer in Swine Judging (A), Agr. Hall 103, The Nebraska Farmer Co.
- MARGUERITE CAMERON McPHEE, A.M., Instructor in Rhetoric (AS), U 107, 641 South Thirteenth street.
- DANIEL MACRAE, Jr., M.D., Professor of Clinical Surgery (M), 252 Merriam Block, Council Bluffs, Iowa.
- ERNEST TIBBETTS MANNING, M.D., Instructor in Therapeutics (M), 501 Paxton Block, Omaha.
- WILLIAM WARNER MARSHALL, Executive Clerk of Nebraska Experiment Station (Adm), Agr. Hall 202, 229 North Eleventh street.
- HOMER LAWRENCE MATTHEWS, Laboratory Assistant in Dairy Husbandry (A), Dairy Hall.
- EDWIN MAXEY, D.C.L., Ph.M., Professor of Public Law and Diplomacy (L, AS, G), U 308, 1216 H street.
- LULU MENLOVE, Assistant in Stenographic Bureau (Adm), Adm. 205, 605 South Tenth street.
- CLARK EDWIN MICKEY, B.Sc., Instructor in Applied Mechanics (E), M 102, 1337 South Eleventh street.
- WILLIAM FORSYTH MILROY, M.D., Professor of Clinical Medicine and Physical Diagnosis (M), 212 McCague Building, Omaha.
- GEORGE MOGRIDGE, M.D., Lecturer in Arrested Development (M), Glenwood, Iowa.
- EDWARD GERRARD MONTGOMERY, A.M., Professor of Experimental Agronomy (A, G), Experiment Station Hall, 424 North Twenty-fifth street.

- BURTON EVANS MOORE, PH.D., Professor of Physics (AS, E, G),
Brace Laboratory, 1900 Euclid avenue.
- RICHARD CHANNING MOORE, M.D., Professor of Diseases of the
Mind (M), 312 McCague Building, Omaha.
- CHARLES CAMPBELL MORISON, A.B., M.D., Clinical Assistant in
Surgery (M), 587 Brandeis Building, Omaha.
- GEORGE HART MORSE, B.E.E., Professor of Electrical Engineering
(E), M 208, 630 North Twenty-fifth street.
- WILSON ALEXANDER MYERS, A.B., Fellow in Histology and Em-
bryology (AS, M), Conservatory of Music.
- DAISY JEANNETTE NEEDHAM, A.M., Instructor in European His-
tory (AS), L 308, 1726 Q street.
- EARL BURDETTE NEWTON, A.B., Fellow in Zoology (AS, M) 336
South Twenty-seventh street.
- MABELLE ZOE NIMS, Fellow in Philosophy (AS), L 110.
- EDNA CLARA NOBLE, B.L., Library Assistant (Adm), Agricultural
Hall, University Place.
- LEWIS BERTIE OLMSTEAD, B.Sc., Assistant in Physics (AS), B
301, 2301 S street.
- MAUDE RENNIE ORD, Secretary to the Chancellor (Adm), Adm. 101
341 North Thirtieth street.
- HIRAM WINNETT ORR, M.D., Assistant Professor of the History of
Medicine (M), M 300, 2840 Sumner street.
- CHARLES ERNEST OVERMAN, B.Sc., Scholar in Chemistry (AS),
Chemistry Hall, 1437 S street.
- FRANK STYLES OWEN, M.D., Professor of Laryngology and Rhin-
ology (M), 469 Brandeis Building, Omaha.
- ERNEST CLIFFORD PAGE, PHM., LL.B., Lecturer in Medical Juris-
prudence (M), 812 N. Y. Life Building, Omaha.
- JAMES McDOWELL PATTON, A.M., M.D., Clinical Assistant in Oph-
thalmology and Otology (M), 567 Brandeis Building, Omaha.
- WALTER SCOTT PAYNE, Instructor in Foundry and Machine Shops
(E), M 107, University Place.
- CLARENCE ADOLPHUS PEARSON, Instructor in Forge and Foundry
Work (E), Engineering Shops, 3051 U street.
- SENATOR WILLIS PERIN, Superintendent of the University Farm
(A), Agricultural Hall, University Farm.
- CLARK EDMUND PERSINGER, A.M., Associate Professor of Ameri-
can History (AS, T, G), U 210, 1844 Harwood street.

- FRANCIS J. PERUSSE, Ph.C., Instructor in Pharmacology (M, AS),
N 7, 505 North Seventeenth street.
- ALBERT THEODORE PETERS, D. V. M., Head Professor of Animal
Pathology (A), Agricultural Hall 103, 2438 W street.
- ALFRED OLAF PETERSON, M.D., Instructor in Internal Medicine
(M), 203 Ramge Building, Omaha.
- LAURA BELLE PFEIFFER, A.M., Adjunct Professor of European
History (AS, T), L 308, The Orlo.
- * ANNETTE ELIZABETH PHILBRICK, B.Sc., Associate Professor of
Home Economics (A), Home Economics Hall.
- FRANK J. PHILLIPS, A.B., M.S.F., Professor of Forestry (A, AS), N
105, 1849 K street.
- LAWRENCE BELL PILSBURY, A.B., M.D., Instructor in Bacteriology
and Pathology (AS, M), N 302.
- CHARLES WHITNEY POLLARD, A.B., M.D., Adjunct Professor of
Obstetrics (M), 446 Brandeis Building, Omaha.
- RAYMOND JOHN POOL, A.M., Adjunct Professor of Botany (AS),
N 103, 1451 Q street.
- WALTER LYNDON POPE, A.B., Scholar in American History (AS),
1029 R street.
- MILDRED POST, A.B., Instructor in Home Economics (A), Home
Economics Hall, 423 North Thirteenth street.
- LOUISE POUND, Ph.D., Associate Professor of the English Language
and Literature (AS, G), Library Hall 301, 1632 L street.
- JOSEPH HORACE POWERS, Ph.D., Associate Professor of Zoology
(AS, M), N 208, 3150 R street.
- CHARLES WILLIAM McCORKLE POYNTER, B.Sc., M.D., Assistant
Professor of Human Anatomy (M), M 300, 319 South Thirtieth
street.
- CHARLES WILLIAM PUGSLEY, B.Sc., Professor of Agronomy and
Soil Agronomist (A), 3260 Starr street.
- ALICE PURINTON, B.Sc., Assistant in Physics (AS), B 201, Hays
Hall.
- ELLIS RAIL, B.Sc.A., Adjunct Professor of Animal Husbandry (A),
Agricultural Hall 104.
- WILLIAM HULL RAMSEY, M.D., Instructor in Surgery (M), 224
Bee Building, Omaha.

* Leave of Absence, 1909-10.

JESSE EPHRAIM RASMUSEN, B.Sc. in M.E., Adjunct Professor of Applied Mechanics and Machine Design (E), M 309, 433 South Eighteenth street.

CARRIE BELLE RAYMOND, Director of Music (AS), U 106, 1414 L street.

ALBERT ALISON REED, A.B., Inspector of Accredited Schools, Professor of Secondary Education (T), Adm. 203, 2741 Randolph street.

ELIZABETH IRENE REESE, A.M., Instructor in Romance Languages and Literatures (AS), U 301, 529 North Sixteenth street.

CHARLES RUSS RICHARDS, M.E., M.M.E., Dean of the College of Engineering, Head Professor of Mechanical Engineering and Practical Mechanics (E, T, G), M 203½, 1803 A street.

ADELAIDE C. ROOD, Assistant in Library (Adm), 856 North Twenty-fifth street.

LULU L. RUDGE, Instructor in Mathematics (AS).

JOSEPH JAMES RUNNER, A.B., Scholar in Astronomy (AS), 307 North Twenty-fourth street.

EDWARD MARKWOOD RUTLEDGE, A.B., Assistant Registrar (Adm). Adm. 103, 2344 Dudley street.

SARAH AGNES RYAN, A.B., Fellow in German (AS), 2804 T street.

FREDERICK WARREN SANFORD, A.B., Assistant Professor of Roman History and Literature (AS, G), U 203, 1629 Washington street.

ALFRED SCHALEK, A.M., M.D., Professor of Dermatology and Genito-Urinary Diseases (M), 400 Bee Building, Omaha.

ECK FRANK SCHRAMM, M.A., Instructor in Mineralogy and Lithology (AS), 310 South Fifteenth street.

ANDREW D. SCHRAG, Ph.D., Adjunct Professor of German (AS), U 108, 1833 G street.

LYNN A. SCIPIO, A.B., B.S., Adjunct Professor of Mechanical Engineering (E), 1604 Elm street.

* THOMAS BARTLETT SEARS, C.E., Assistant Professor of Civil Engineering (E, G), M 205.

CLAUDE KEDZIE SHEDD, B.Sc., Instructor in Farm Machinery (A).

* Resigned.

ADDISON ERWIN SHELDON, A.M., Lecturer in Political Science (AS), State House, 2537 J street.

LUCIUS ADELNO SHERMAN, PH.D., Dean of the Graduate College, and Head Professor of the English Language and Literature (AS, T, G), L 301, 1234 J street.

*BENJAMIN G. SINCLAIR, A.B., Instructor in Rhetoric (AS), U 107.

OSCAR WARNER SJOGREN, Instructor in Forge Work (farm), (A).

CLARENCE AURELIUS SKINNER, PH.D., Professor of Physics (AS, T, E, G), B 206, 1602 Poplar street.

PHILIP K. SLAYMAKER, M.E., Assistant Professor of Applied Mechanics and Machine Design (E, G), M 309, 350 North Twenty-eighth street.

HOWARD REMUS SMITH, B.Sc., Head Professor of Animal Husbandry (A, T), Agricultural Hall 103, 710 South Seventeenth street.

WILLIAM PATTON SNYDER, A.B., M.S., Superintendent of North Platte Experimental Sub-Station (Adm), North Platte.

ANDREW BARTHOLOMEW SOMERS, M.D., Professor of Obstetrics (M), 446 Brandeis Building, Omaha.

BERTRAM JOHN SPENCER, Demonstrator and Teacher of Construction in Physics (AS), Brace Laboratory, 1335 North Twenty-fourth street.

GEORGE ASBURY STEPHENS, PH.D., Instructor in Political Economy (AS), U 101.

ARTHUR CHARLES STOKES, B.S., M.D., Associate Professor of Genito-Urinary Surgery and Surgical Anatomy (M), 503 Brandeis Building, Omaha.

*ROLAND ELISHA STONE, B.Sc., M.Sc., Assistant Professor of Agricultural Botany (A), Agricultural Hall 307, 3003 Starr street.

JOHN WILLIAM STOUT, Assistant in Purchasing Agent's Office (Adm), Adm. 202, 325 South Seventeenth street.

OSCAR VAN PELT STOUT, B.C.E., C.E., Head Professor of Civil Engineering (E, G), M 205, 1735 Euclid avenue.

FREDERICK AMES STUFF, A.M., Associate Professor of the English Language and Literature (AS, T, G), L 301, 627 North Twenty-eighth street.

* Resigned.

- LAZELLE BRANTLEY STURDEVANT, A.M., M.D., Assistant Professor of Animal Pathology (A), Veterinary Hall.
- MYRON HARMON SWENK, A.M., Adjunct Professor of Entomology, and Assistant State Entomologist (A, AS), N 303, 318 North Twenty-seventh street.
- GOODWIN DeLOSS SWEZEY, A.M., Professor of Anatomy (AS, T, G), B 306, 2600 R street.
- CONSTANCE MIRIAM SYFORD, A.B., Scholar in English Language and Literature (AS), 700 North Sixteenth street.
- WILLIAM GEORGE LANGWORTHY TAYLOR, A.B., LL.B., Head Professor of Political Economy and Commerce (AS, T, G), U 101, 435 North Twenty-fifth street.
- PAUL DEAN THOMPSON, A.B., Scholar in Greek (AS), 2027 S street.
- WARREN S. THOMPSON, Scholar in Philosophy (AS), L 110.
- ADDISON SEABURY TIBBETS, B.C.E., Lecturer on Professional Ethics (L), Richards Block.
- ANNA MARY TIBBETS, A.M., Principal of the Teachers College High School (T), The Temple, 1833 G street.
- * ARTHUR QUINCY TOOL, A.M., Instructor in Physics (AS), Brace Laboratory.
- SOLON RODNEY TOWNE, A.M., M.D., Professor of Hygiene and State Medicine (M), 446 Brandeis Building, Omaha.
- VERNON LAWRENCE TREYNOR, M.D., Professor of Clinical Medicine (M), Baldwin Block, Council Bluffs, Iowa.
- THOMAS TRUELSEN, M.D., Instructor in Physical Diagnosis and Clinical Assistant in Medicine (M), 587 Brandeis Building, Omaha.
- ROBERT SAMUEL TRUMBULL, A.M., Adjunct Professor of Agricultural Chemistry (A), Experiment Station Hall, University Place.
- LOUIS BRYANT TUCKERMAN, JR., A.B., Assistant Professor of Physics (AS), B, 1726 N street.
- SAMUEL JOHNSON TUTTLE, A.M., LL.B., Professor of Law (L), Burr Block.
- KARL AUGUST ULMANN, Laboratory Assistant in Dairy Husbandry (A), Dairy Hall.

* Resigned.

- MRS. VADA CLEGG VENNUM, Assistant Registrar College of Agriculture and Assistant Secretary to Faculty of College of Agriculture (Adm), 729 South Twenty-eighth street.
- * CHESTER GARFIELD VERNIER, A.B., J.D., Professor of Law (L), U 310 A.
- GEORGE OLIEU VIRTUE, PH.D., Professor of Political Economy and Public Finance (AS), U 101.
- JULIET MITCHELL VORE, Assistant in Registrar's Office (Adm), Adm. 103, 3003 J street.
- ADOLPH MAX VOSS, A.B., Assistant Inspector of Accredited Schools (Adm), Adm. 203, 645 North Thirteenth street.
- WILLIAM WARD VOTAW, Assistant Superintendent in charge of Grounds, Buildings and Janitors (Adm), Adm. 206, 3044 Q street.
- HERBERT HAROLD WAITE, A.M., M.D., Professor of Bacteriology and Pathology (AS, M, G), N 303, Melick Court.
- ELDA REMA WALKER, PH.D., Adjunct Professor of Botany (AS), N 103, 329 North Eleventh street.
- GEORGE HEMAN WALKER, M.D., Demonstrator in Anatomy (M, AS), M 300, Sunlight Sanitarium.
- LEVA BELLE WALKER, A.M., Instructor in Plant Pathology (AS), N 108, 329 North Eleventh street.
- CHARLES WILLIAM WALLACE, PH.D., Associate Professor of the English Language and Literature (AS, G), L 301, 1539 South Twenty-first street.
- * HENRY BALDWIN WARD, PH.D., Dean of the College of Medicine and Head Professor of Zoology (M, AS, T, G), Adm. 104, N 206.
- HUTTON WEBSTER, PH.D., Professor of Social Anthropology (AS, T, G), U 103 1547 H street.
- * WILLIAM CLARENCE WEBSTER, PH.D., Professor of Commerce (AS), U 101.
- HENRY PETER WEKESER, M.D., Demonstrator in Anatomy (M, AS), M 300, 1105 O street.
- ZELLA WENTZ, A.B., Instructor in Mathematics (AS), M 301½.
- MAX WESTERMANN, Assistant Secretary of the Board of Regents (Adm), Adm. 102, 417 South Fourteenth street.

* Resigned.

- VERNON VILAS WESTGATE, B.Sc., Adjunct Professor of Horticulture (A), Horticultural Hall.
- WILLIAM PENALUNA WHERRY, M.D., Clinic Assistant in Laryngology and Rhinology (M), 469 Brandeis Building, Omaha.
- EDWIN MEAD WILCOX, Ph.D., Professor of Agricultural Botany (A, G), Agricultural Hall 307, 3257 R street.
- WILLIAM ALBERT WILLARD, A.M., Professor of Histology and Embryology (AS, M, G), N 204, 826 South Eighteenth street.
- AIMEE WILSON, Head of Stenographic Bureau (Adm), Adm. 205, 10 Salisbury Block.
- HARRIET WILSON, A.B., Library Assistant (Adm, L), College of Law Library, 1410 Q street.
- HENRY H. WILSON, A.M., LL.M., Professor of Law (L), U 308, 1339 South Nineteenth street.
- ROBERT HENRY WOLCOTT, A.M., M.D., Professor of Anatomy (M, G), M 300, 2100 B street.
- HARRY KIRKE WOLFE, Ph.D., Head Professor of Philosophy (AS, G, T), U 209, 1727 J street.
- ALBERT G. WOOD, Fellow in Botany (AS).
- PAUL GERHARDT WOOLLEY, B.S., M.D., Associate Professor of Pathologic Anatomy (M), 2903 Dewey avenue, Omaha.
- HALSEY E. YATES, Captain Seventeenth Inf., U. S. A., Professor of Military Science and Tactics (AS, T, A, E), Grant Memorial Hall.
- MARY VIRGINIA ZIMMER, A.B., Instructor in Mathematics (A, AS), Agricultural Hall 102.

GENERAL INFORMATION

EQUIPMENT

GROUNDS AND BUILDINGS—The grounds and buildings of the University are distributed among three groups: (1) the original campus, situated in the capital city of Lincoln, with its main entrance at Eleventh and R streets, and containing sixteen buildings devoted to academic, law, medicine, and engineering instruction; (2) the University Farm, of three hundred and twenty acres, two and a half miles northeast of the original campus, containing nine buildings devoted to instruction in agriculture, home economics, and forestry; (3) the Medical College building in Omaha, at the corner of Twelfth and Pacific streets.

LIBRARIES—The University library, containing 85,000 volumes, consists of the main library and eleven departmental libraries. In addition to the University libraries, the student of the University has access to the following libraries, numbering over 100,000 additional volumes:

	Volumes
The State Library.....	65,000
The Lincoln City Library.....	26,000
The Nebraska Historical Society Library.....	16,000
The Medical Society Library.....	1,300

LABORATORIES—The University is possessed of well-equipped laboratories in Anatomy, Astronomy, Bacteriology and Pathology, Botany, Chemistry, Civil Engineering, Electrical Engineering, Economic Geology, Geology.

Geography, Mechanical Engineering, Mineralogy, Physics, Psychology, Physiology and Pharmacology, and Zoology. Descriptions of these are given in those portions of the calendar devoted to descriptions of the equipment of the various colleges and schools of the University.

MUSEUMS AND COLLECTIONS—The University Museum, in its new fire-proof building, contains a large number of important collections of geological, zoological, agricultural and archaeological specimens. The University Herbarium, with its subordinate collections, contains about 124,000 mounted specimens of plants. In the Fine Arts Gallery the Nebraska Art Association holds its annual exhibits, and the gallery contains the paintings which this Association has purchased at its exhibitions. The student of the University also has access to the collections of the Nebraska State Historical Society, comprising over 30,000 articles of historic and scientific interest, chiefly relating to the state of Nebraska.

THE UNIVERSITY YEAR

The University year, exclusive of the six-weeks Summer Session, embraces thirty-nine weeks, and is divided into two semesters. The first semester of each university year begins on the third Tuesday of September.

The mid-winter commencement is held on Charter Day (February 15th), except when it falls on Saturday or Sunday, in which case the exercises are held on the preceding Friday or the succeeding Monday, respectively. The spring commencement falls on the first Thursday after the first Tuesday of June of each year.

ADMISSION TO THE UNIVERSITY

ENTRANCE CREDITS—The requirements for admission to the Schools of Agriculture, Fine Arts and Pharmacy, the Affiliated School of Music, and the Graduate College vary widely, and may be found by consulting those portions of the Calendar devoted to them. The requirements for admission to the College of Arts and Sciences, Agriculture, Engineering, Law and Medicine, and the Teachers College are uniform to the extent that each requires the presentation of 28 high school credits or "credit points."* On September 1, 1910, this requirement will be raised to 30 credits or "credit points." The subjects from which these credits may be selected differ in the various colleges, and may be learned by consulting that portion of the Calendar devoted to each college. Conditional admission is permitted on a minimum of 22 credit points or 110 recitation hours. On September 1, 1910, conditional admission is raised to 24 credit points or 120 recitation hours. A student admitted conditionally must remove the conditions at the earliest possible opportunity. The degree will not be granted until such conditions are removed. Persons unable to meet the entrance requirements may be admitted as special students, not candidates for the degree. Upon fulfilling the entrance requirements, such special students may register as regular students, and become candidates for the degree. All candidates for admission must submit their entrance credentials

* A "credit point" means the work of five recitations a week of from 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses a "credit point" means three recitations per week plus two double periods of laboratory work under the supervision of an instructor.

to the Registrar at least one month in advance of registration.

ACCREDITED SCHOOLS—The University maintains a list of “accredited” secondary schools, whose graduates are admitted to the University (and to nearly all of the universities and colleges in the United States) without entrance examinations in those subjects in which their attainments are duly certified. These schools are such as, under annual inspection by the University inspector of accredited schools, are found to have a well-balanced program of studies, satisfactory laboratory equipment and library facilities, and a teaching force adequate in number and competent in scholarship and professional training to accomplish the work they are undertaking. This list of accredited schools is published yearly in the University Calendar, the University Journal, and the High School Manual. At present there are two lists of accredited schools: (1) those which prepare fully for the first year of University work; and (2) those preparing for the lowest classes carried at the University. The following four-year secondary schools are accredited for the year 1909-1910 to receive from 28 to 32 points of entrance credit, according to the work of the individual graduate:

Albion	Beatrice	Blue Hill
Alliance	Beaver City	Blue Springs
Alma	Beaver Crossing	Broken Bow
American School, Mexico	Bellevue Academy,	Brownell Hall, Omaha
Arapahoe	Bellevue	Butte, Montana
Ashland	Blair	Cambridge
Auburn	Bloomfield	Cedar Rapids
Aurora	Bloomington	Central City

Chadron	Havelock	Oakland
Chadron Academy	Hebron	Ohiowa
Cheyenne, Wyoming	Hiawatha, Kansas	Oklahoma City, Okla.
Clarks	Holdrege	Omaha
Columbus	Humboldt	O'Neill
Cotner University	Kearney	Ord
Academy, Bethany	Laurel	Oregon, Missouri
Crawford	Lead, South Dakota	Orleans Seminary,
Creighton	Leadville, Colorado	Orleans
Creighton University	Lexington	Osceola
Academy, Omaha	Lincoln	Ottawa, Kansas
Crete	Lincoln Academy,	Overton
David City	Lincoln	Oxford
Deadwood, S. D.	Little Rock, Arkansas	Papillion
Edgar	Loup City	Pawnee City
Exeter	Luther Academy,	Pawnee City Academy
Fairbury	Wahoo	Pierce
Fairfield	Lyons	Plainview
Fairmont	McCook	Plattsmouth
Falls City	Madison	Ponea
Franklin	Mankato, Kansas	Randolph
Franklin Academy,	Marysville, Kansas	Ravenna
Franklin	Minden	Red Cloud
Fremont	Missoula, Montana	Red Oak, Iowa
Friend	Mt. St. Mary's	Sacred Heart Academy,
Fullerton	Seminary, Omaha	Omaha
Gates Academy, Neligh	Nebraska City	St. Catherine's
Geneva	Nebraska Military	Academy, Jackson
Genoa	Academy	St. Edward
Gothenburg	Nebraska Wesleyan	St. Francis Academy,
Grand Island	University Academy,	Council Bluffs, Ia.
Great Falls, Montana	University Place	St. Mary's Academy,
Greeley	Neligh	O'Neill
Hartington	Nelson	St. Paul
Harvard	Newman Grove	St. Theresa Parochial
Hastings	Norfolk	School, Lincoln
Hastings College	North Bend	Schuyler
Academy, Hastings	North Platte	Scottsbluff

Seward	Sutton	Wayne
Shelton	Syracuse	Weeping Water
Sidney	Table Rock	Weeping Water
South Omaha	Tecumseh	Academy
Spalding Academy, Spalding	Tekamah	West Point
Spencer	Ulysses	Wilber
Stanton	University Place	Wisner
Sterling	Valentine	Wood River
Stromsburg	Valley	Wymore
Superior	Wahoo	York
	Wakefield	

The following three-year secondary schools are accredited for the year 1909-1910 to receive from 22 to 27 points of entrance credit, according to the work of the individual graduate:

Ainsworth	Elmwood	Orleans
Arlington	Emerson	Pender
Atkinson	Florence	Rushville
Battle Creek	Gibbon	Sacred Heart High School, Omaha
Baneroft	Giltner	Scribner
Beemer	Gordon	Springfield
Benson	Grafton	Stella
Bertrand	Hardy	Stratton
Brady	Herman	Tilden
Butte	Hooper	Tobias
Cedar Bluffs	Lawrence	Trenton
Clay Center	Louisville	Wausa
Cozad	Mead	Western
Culbertson	Merna	
De Witt	Nebraska Institute for Blind, Nebraska City	
Dodge	Oakdale	
Elgin		

To each school accredited for the succeeding year a certificate of accreditation is sent in June. Any public or private high school or academy desiring to be placed on

the accredited list should make request to the Inspector of Accredited Schools. *The High-School Manual*, giving detailed information in regard to accredited schools, including general and departmental suggestions as to courses of study and methods of instruction, and the list of accredited schools, is sent upon application to the Registrar.

ADVANCED STANDING—Candidates from other universities, or from colleges whose requirements for admission and for graduation are equal to those of this University, are, on presenting to the Registrar certified statements of their standing therein, admitted to the same standing in this University; but such alien credit can, in no case, extend to more than three-fourths of the credits required for graduation from the University. Candidates from colleges whose requirements for admission are not equal to those of this University receive proportionally less credit, but are given reasonable opportunity to make up the work wherein they are deficient. Holders of diplomas from scientific, engineering, agricultural and other colleges whose undergraduate work is based upon much lower preparation than that required in this University are given full credit for that part of their work found preparatory to the courses which they wish to enter here. They receive three-fourths credit for any other college work covered by the records which they present. A candidate may, at his option, waive the three-fourths credit thus allowed and take examinations for full credit. In all cases not here specified, the candidate, to receive credit for his best work, is required to pass an examination.

ADULT SPECIAL STUDENTS—Persons at least twenty-one years of age, who do not fulfill the regular entrance requirements, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special Students under such conditions as shall be deemed wise in each individual case. Adult Special Students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for entrance. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special Student suspended for failure in University work may be readmitted only upon attaining regular undergraduate standing. No person is permitted to abuse the privilege of registering as an Adult Special Student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in military drill and physical training apply to Adult Special Students as well as to candidates for degrees. Students in the School of Fine Arts and in the affiliated School of Music, and teachers in the city schools may be admitted as Adult Special Students. Such candidates are required to offer satisfactory proof that they are prepared to do the work for which they wish to register. An agreement exists whereby students of the Lincoln Dental College enter the University as Adult

Special Students, pursuing in the class rooms and laboratories of the University certain sciences. The course of study in the Dental College is subject to revision at any time by the University. Students in the Dental College pay their entire tuition to and at the College. The College settles with the University for the instruction taken therein by its students.

REGISTRATION

THE REGISTRAR—All applicants for admission to the University first present themselves to the Registrar, who furnishes them with application blanks and directions for proceeding with their examinations, if any, with fee payments and registration. By enactment of the Board of Regents in April, 1903, "Every detail of registration and record from the moment the student leaves the high school until he graduates from the University, together with the interpretation of all the rules relating thereto and the publication of the same, are under the supervision of the Registrar, who is responsible directly to the Chancellor."

REGISTRATION DAYS—Registration in all of the colleges of the University takes place on the same dates—the first five days of each semester, from 9 a. m. Tuesday to 5 p. m. Saturday. Graduate students and city teachers, however, may register at any time until the end of the week following the regular registration days. Each undergraduate in the various colleges of the University is also required to lodge in the office of the Registrar, on or before the first of June of each year, his proposed schedule of classes for the first semester of the year immediately following. Reg-

istration days for the three schools of the University, and for the affiliated School of Music, differ from those for the colleges; and may be ascertained by consulting the calendar on pages 7 and 8.

LATE REGISTRATION—Students are required to register promptly at the beginning of each semester. To promote prompt registration, a fee of \$3.00 is charged any student who, unless excused by the chancellor, seeks to register later than the regular days set aside for this purpose. Although properly prepared students who cannot enter at the beginning of the year may be admitted later, all students who can possibly do so are urged to be present at the beginning of the year. Students entering later are at much disadvantage.

CHANGES IN REGISTRATION—A like fee of \$3.00 is charged for re-registration if made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration. No student is allowed to change from one college to another without written permission to the Registrar signed by the dean of each college concerned. A student changing college must also pay a new matriculation fee of \$5.

No student may change his group or drop any study for which he has been regularly registered, without written permission from the dean of his college.

NUMBER OF HOURS—No regular student is registered for less than twelve (12) hours nor for more than eighteen (18) hours a semester, except in the Graduate College and the Colleges of Law and Medicine. A student cannot at-

tend a class for which he is not registered. Credit is not granted for studies pursued without registration.

MARKINGS—In all but the College of Medicine the following letters are used in recording grades of proficiency attained in studies: E=Excellent (9 plus); G=Good (8 plus); M=Medium (7 plus); P=Passed (6 plus); I=Incomplete; C=Conditioned; F=Failed (below 6). Also, A=Withdrew in good standing; D=Delinquent at time of withdrawal; W=Withdrew without permission. In the College of Medicine all grades are given in figures; junior and senior years, 75=passing grade; freshman and sophomore years, 70=passing grade; I=Incomplete, though satisfactory; C=Conditioned; F=Failure.

ABSENCE, DELINQUENCY, DISMISSAL—Leave of absence for a short time may be granted a student of any of the colleges by the dean of his college. This leave is merely a justification for the absence, not an excuse from any work. Delinquency on the part of a student in attendance or work is reported weekly by instructors to the Senate Committee on Delinquent Students. When continued without cause or excuse, the delinquency is reported to the student's parents or guardian. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Registrar grants him permission to do so. Students in good standing who are not minors, are, at their own request, given honorable dismissal from the University; minors, at the request of their parents or guardians.

REQUIREMENTS FOR GRADUATION

COMPLETION OF COURSE—The College of Arts and Sciences, the Teachers College, the College of Agriculture, the College of Engineering and the College of Medicine require the completion of a four-year course* before graduation; the College of Law requires the completion of a three-year course; the Graduate College, the Schools of Agriculture, Fine Arts and Pharmacy, and the affiliated School of Music fit their requirements to the course the student is pursuing. Healthy and brilliant students able to carry eighteen hours of recitation a week for three years, who can also attend the Summer Session three years, may graduate from one of the four-year courses in three years.

MILITARY SCIENCE (Men)—Four hours of military science (courses A1, A2, AA1, AA2) are required of all men students in the College of Arts and Sciences, the Teachers College, the College of Agriculture, the College of Engineering, the School of Agriculture, and the six-year courses in Medicine* and Law. Only credibly attested physical disability, or conscientious scruples (on the part of parent in case of a minor), are accepted as excusing from the requirement in military science. Unless excused or reprieved by the Chancellor, each undergraduate man must fulfill this requirement in his freshman and sophomore years. A failure to take military science during the required semester, unless reprieved in writing by the dean of the college in which the student is registered, increases the military science requirement one semester for each failure.

* Includes the course in Pharmacy leading to the degree of B. Sc. in Pharmacy.

A reprieve does not abridge or otherwise modify a man's requirement in military science save to defer the period for discharging it; and no reprieved man leaving the University without having discharged this requirement can claim honorable dismissal. A man excused from this requirement (whatever the reason) must still, in order to graduate, obtain the full number of hours credit required of other candidates for the degree sought. Thorough drill elsewhere than at the University may, as in the case of any other study, on evaluation, be credited to a student in lieu of a like amount of military science at the University. Such credit by commutation, however, in no case exceeds a total of four hours.

PHYSICAL CULTURE (Women)—Four hours of physical culture (courses 21, 22, 23, 24) are required of all women students in the College of Arts and Science, the Teachers College, the College of Agriculture, and the School of Agriculture. The only ground for an excuse from this requirement is credibly attested physical disability. The provisions for reprieves from this requirement are the same as those set forth above for military science. Credit for physical culture work done elsewhere than at the University cannot exceed four hours. Students who have done this work elsewhere may elect it here, but in no case can the total credit exceed four hours.

SPECIAL EXAMINATIONS—The board of regents has made the following ruling: (1) No student has a right to demand a private examination. Such examinations are granted simply as favors, at the option of instructors.

(2) No member of a class or section may, for any reason or under any pretext whatever, be privately examined at an earlier time than that at which the regular examination of the class or section is scheduled. Any individual examination permitted must be held later. (3) To be examined at a time later than that set for his class or section. whatever the reason, a student must pay a special examination fee of \$1 a course (in the College of Law \$2 a subject as heretofore). The student desiring an individual examination in any course, first obtains his instructor's consent thereto, and then pays the secretary the proper fee, taking a receipt. This receipt, being shown the instructor, authorizes him to proceed with the examination.

UNIVERSITY FEES

ALL FEES must be paid upon registration, to the Secretary. No part of the fees can be refunded to a student after the beginning of the fourth week of a semester or session. Any refund should be called for at the time of withdrawal from a class or from the University.

MATRICULATION—A matriculation fee of \$5.00 is charged all students registering in the Graduate College, the College of Arts and Sciences, the College of Agriculture, the College of Engineering, the Teachers College, the College of Law, the College of Medicine, long course of the School of Agriculture and the School of Pharmacy. Being a statutory one, this fee cannot be refunded except where collected in error. The matriculation fee is also charged each student changing membership from one college to

another. No matriculation fee is charged those taking work only in the short course of the School of Agriculture, the School of Fine Arts or the Affiliated School of Music.

TUITION—Tuition fees, varying in amount, are charged students registering in the College of Law, the College of Medicine, the School of Fine Arts, the School of Pharmacy, the Affiliated School of Music, the Summer Session and the Teachers College High School. The amount charged can be determined by reference to the portions of the Calendar devoted to the above colleges and schools, or by consulting a fee schedule furnished (on request) by the Registrar. No tuition fees are charged in the Graduate College, the College of Arts and Sciences, the College of Agriculture, the College of Engineering, the Teachers College, or the School of Agriculture.

NON-RESIDENT TUITION FEE—An additional fee of \$15 is charged each person not a resident of the state of Nebraska who registers in the College of Arts and Sciences, the College of Agriculture, the College of Engineering, or the Teachers College. This fee is not charged to students who are registered only in the Graduate College, the College of Medicine, the College of Law, the School of Agriculture, the School of Fine Arts, the School of Pharmacy,* or the Affiliated School of Music.

INCIDENTAL—An incidental fee of \$3.00 each semester is charged each student registering in the Graduate College, the College of Arts and Sciences, the College of Agriculture, the College of Engineering, and the Teachers Col-

* Except in the first and second years of the four-year course.

lege. In the long course of the School of Agriculture the incidental fee is \$4.00; for the short course a "registration fee" of \$4.00 is charged. No incidental fee is charged in the College of Law,* the College of Medicine,* the School of Fine Arts, the School of Pharmacy, or the Affiliated School of Music.

LIBRARY OR LABORATORY—A library fee of \$1.00 each semester is charged each student who does not pay a laboratory fee. A table of the laboratory fees in the various courses in the University is appended as a footnote to this page.†

* The incidental fee is charged in the combined six-year Academic and Law and Academic and Medical courses until such time as the student obtains his academic degree. This fee is also charged in the first and second years of the four-year course in Pharmacy.

† Laboratory Fees

- Agricultural Chemistry—Courses 1 and 2 (combined), \$3; courses 4, 6 (college courses), \$2.
- Anatomy—Courses 1, 2, 3, \$10; course 4, \$3; course 8, \$5; courses 11, 12, graduated; courses 15, 16, \$15.
- Applied Mechanics—Courses 15, 16, 17, 18, 19, 20, \$3.
- Bacteriology and Pathology—Course 1, \$8; course 2, \$10; courses 3, 4, \$4.
- Botany—Courses 1, 2, 15, 16, 21, 22, 25, 26, \$2; courses A, 3, 4, 5, 6, 7, 8, 9, 10, 19, 20, 23, 24, 27, 28, \$3; courses 13, 14, 17, 18, 29, 30, 34, 36, \$1; courses 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, for each credit hour a semester, \$1.
- Chemistry—Courses A, B, 1, 2, 3, 3a, 4, 13, 14, 20, 21, 22, 34, \$5; courses 5, 15, 16, 23, 27, \$2; course 41, \$8; course D, 1 and 2 combined, \$10; courses 7, 8, 39, 40, for each credit hour a semester, \$1.
- Civil Engineering—Courses 5, 6, 8, 30, \$3.
- Electrical Engineering—Courses 8, 9, \$5.
- Entomology—Courses 1, 2, 3, 4, 5, 6, 7, 8, 11, 12, \$2.
- Farm Mechanics—Course 7, \$3; course 8, \$1; course 10, \$2.
- Geography and Economic Geology—Courses 1, 2, 3, 5, 7, 8, 25, 26, 28, \$1.
- Geology—Courses 1, 2, 13, 18, \$1; courses 15, 16, \$2.
- Home Economics—Courses 1, 2, 7, 8, 11, 12, 15, 16, 17, 18, 19, 20, \$2; courses 3, 4, \$3; courses 5, 6, \$5. School Agriculture, each year, \$2.

DIPLOMA—A diploma fee is charged the student graduating from any of the colleges of the University. For the undergraduate colleges the fee is \$5.00; for the Graduate College, \$10.00. When a degree is taken *in absentia*, or *cum laude* (in the College of Medicine), an additional fee of \$10.00 is charged. The degree of Doctor of Philosophy cannot be taken *in absentia*. No person is granted a degree until he has paid all dues, including the diploma fee. No diploma fee is charged students completing courses only in the School of Agriculture, the School of Fine Arts, or the Affiliated School of Music.

CERTIFICATE—For a certificate of graduation from any of the schools of the University except the School of Pharmacy a fee of \$1.00 is charged. For the special Certificate of Standing in Medicine or Pharmacy a fee of \$5.00 is charged. For the special Teachers Certificate (issued in cover only) the fee is \$2.00.

Mechanical Engineering—Courses 1, 2, 3, 4, 5, 6, 6a, 15, 17, \$4; course 16, \$5; course 23a, \$2.

Medical College—Demonstration courses, \$10.

Pharmacodynamics—Courses 1, 2, \$5; courses 3, 4, 5, 6, \$3.

Pharmacy and Pharmacology—Courses 1, 2, 7, \$3; courses 5, 10, 11, 12, 13, 14, \$5; courses 3, 4, \$7; course 8, \$6; course 9, \$8; courses 15, 16, \$1.

Philosophy—Course 2, \$1.

Physics—Courses 1, 2, 3, 4, 6, 7, 8, 15, 16, \$4; courses 1a, 2a, 3a, 4a, \$1; courses 1b, 2b, 3b, 4b, \$3.

Physiology—Courses 1, 2, 6, 7, \$3; course 3, \$4.

Zoology—Courses 1, 2, 8a, 28, 31, 32, \$2; courses 5, 8, 13, 14, 25, 26, \$3; course 9, \$6; course 10, for each credit hour a semester, \$2; courses A, 11, 12, \$4; courses 30, 43, \$1; courses 15, 16, 17, 18, 19, 20, for each credit hour a semester, \$1.

These fees do not cover careless waste, breakage, or injury to apparatus. In any such case the student is required, upon notice by the department concerned, to pay the amount of such waste or damage at the secretary's office, and to present his receipt therefor to the department before his semestral credit is reported to the Registrar.

SPECIAL REGISTRATION—A fee of \$3.00 is charged any student, not excused by the Chancellor, who for any reason seeks to register or re-register later than the days set apart for registration. Any modification whatever of a registration, due to the fault of the student, is regarded as a re-registration.

SPECIAL EXAMINATION—For each special examination in the general colleges a fee of \$1 is charged. For a special examination in the College of Law a fee of \$2 for each subject is charged. For an examination for advanced standing in the College of Law the fee is \$10.00.

EXPENSES

The average cost of a year's attendance at the University (not including fees of any kind) is about \$300. Many students spend much less than this. Board and lodging may be had among families of the city. In September the Young Men's Christian Association and the Young Women's Christian Association make, under the direction of the Registrar, a canvass of the city and keep on file lists of rooms and boarding places. The Young Men's Christian Association maintains an employment bureau. A student in a city the size of Lincoln has many opportunities to secure employment by which he may defray at least part of his expenses. The authorities of the University do not, however, undertake to find employment for students. A student is advised not to enter the University unless he can count upon resources for one semester—at least \$150.

REGULATION OF STUDENT AFFAIRS

THE UNIVERSITY ATHLETIC BOARD, composed of six faculty members and five student members, controls athletics in the University. The University is also a member of the Western Athletic Association. Embodied in the constitution of the University Athletic Board are most of the rules adopted at the Chicago Conference, November, 1896, and subsequently adopted by the universities of Michigan, Illinois, Wisconsin, Chicago, Purdue, Iowa, Indiana, Notre Dame, and Minnesota.

UNIVERSITY DEBATING BOARD—Intercollegiate debates, as well as all other public debates between students of the University and other institutions, are in control of the Debating Board of the University of Nebraska. This Board, composed of seven members of the faculty (ex-officio) and of five student members (upper classmen) elected annually, enters into compacts, appoints members of the team, chooses questions and the sides thereof, and selects judges. The University is a member of the Central Debate Circuit of America organized in 1906 by the universities of Illinois, Iowa, Minnesota, Nebraska and Wisconsin.

THE STUDENT PUBLICATION BOARD, composed of five members of the faculty appointed by the University Senate and three students elected annually, has the supervision of all student publications of whatsoever nature.

CONTROL OF OTHER STUDENT ORGANIZATIONS—Every non-athletic organization or enterprise of University students bringing the students financially into relations with the

public is required each year to submit its accounts, not later than May 1st, for audit to the Senate's committee on Student Organizations.

No student, connected with any such financial work, who has not in the above manner satisfactorily accounted for all money entrusted to him or for which he has been responsible, is graduated or given an honorable dismissal from the University.

ROOMING REGULATIONS—The residence of men and women students in the same lodging houses (as distinguished from families) is not approved and not, as a rule, permitted. A landlady rooming women students is expected to provide for their use, till half after ten on Friday, Saturday and Sunday evenings, or on two of these evenings, a reception room properly warmed and lighted. Women students in these houses will receive gentlemen callers only in the reception room. Gentlemen will take notice and govern themselves accordingly.

THE ADVISER TO WOMEN consults with women students upon all matters of interest and importance; secures special consideration for them when needed; sees that they reside in desirable places; and that the sick receive proper care. She gladly corresponds with the parents of women students touching their welfare.

CARE OF THE SICK—The University much needs an infirmary for the care of students when ill. Such students are, however, carefully provided for even at present, on application to the Chancellor, at whose office all cases of serious illness should be reported.

STUDENT ORGANIZATIONS

RELIGIOUS—The Young Men's and Young Women's Christian Associations, non-sectarian and voluntary organization of Christian men and women, members of the University, organize and conduct Bible study among the students, hold public meetings, help students to find suitable rooming and boarding places, give free aid to students in search of employment, and publish an annual Students' Handbook containing information especially valuable to new students. Inquiries should be addressed to the Secretary of either the Young Men's or the Young Women's Christian Association, Station A, Lincoln, Nebraska. The Students Volunteer Movement is composed of those who have declared their purpose to become missionaries, and meets once a week for devotional and critical Bible study.

LITERARY AND SOCIAL—The Palladian and the Union are open literary societies meeting weekly on Friday evenings in their rooms in the Temple. The University Girls' Club is an organization formed to cultivate friendly and helpful relations among women students irrespective of department, course of study, or church or society affiliations. All women students and women members of the faculties are eligible to membership. The Dramatic Club is an organization of students interested in amateur theatricals. It gives several plays each year. Membership is by election. The English club is a writers' club, composed of advanced students and of instructors interested in writing. The club meets regularly to hear and discuss contributions by its members. Membership is by election. The Komenian

Club is a literary and social organization the main purpose of which is to study the history and language of Bohemia.

SCIENTIFIC—The Graduate Club, the Debating Club, the Agricultural Students' Association, the Botanical Seminar, the Chemical Society, the Chemical Journal Club, the Engineering Society, the English and Latin Seminaries, the Latin and Physics Colloquia, the Microscope, Forestry and Zoological Clubs are more specially collegiate or departmental organizations concerning which information is given in those portions of the calendar devoted to the different colleges and schools.

MUSICAL—The University Chorus, open to all students, gives each year several cantatas and oratorios and participates in the May Music Festival. The Cadet Band, a military band, gives several home concerts annually and furnishes music on occasions of general University interest. The Glee and Mandolin Club gives concerts in Lincoln and throughout Nebraska and adjoining states.

MILITARY—The Pershing Rifles is an organization of cadets composed of the best-drilled men in the University Cadet Battalion. Membership is by election. The Workizer Rifles is a similar organization in the School of Agriculture Cadet Battalion.

HONORS AND PRIZES

FELLOWSHIPS AND SCHOLARSHIPS are established in the different departments of the Graduate College, the College of Arts and Sciences, and the Teachers College, where extra help is needed for instruction. These are awarded

either to graduate or to undergraduate students recommended by the heads of departments. They are not gifts or benefactions from the state but means by which services, assisting the holder in some special line of work, may be rendered to the University. For additional information see the announcement of the above colleges.

THE WILLIAM JENNINGS BRYAN PRIZE—For the best essay on the science of government is offered annually the income of \$250, the gift of Hon. William Jennings Bryan. For detailed information apply to the professor of American history.

THE CHANCELLOR'S PRIZE FOR EXCELLENCE IN DEBATE—In 1908-1909 for the three representatives of the University winning in one of the annual intercollegiate debates Ex-Chancellor Andrews offered a prize of \$30, to be awarded in equal parts. The prize was awarded to Ross Waldo Bates, James Edmund Bednar, and Dean Driscoll.

PRIZES FOR EXCELLENCE IN BOHEMIAN—Offered by the Bohemian Council of Higher Education. (1) To the student of the first year Bohemian class who attains the highest rank during both semesters, the Council of Higher Education offers a prize of books representing the best Bohemian literature. (2) For the best essay on Bohemian History or Literature by a student who has completed the second year's work in Bohemian a prize of valuable reference books is offered, the donor to make the selection. In 1908-1909 prizes were awarded to Emma Krisl and Adolph Albert Tenopir.

ATHLETIC AND MILITARY TROPHIES—Cups or other tro-

phies are offered for the winners in the annual Freshman-Sophomore Contest, Class Field Day, State Inter-Collegiate Field Day, Inter-state Baseball League Championship, Champion Outdoor Pentathlon, Company Drill, Artillery Drill, Individual Infantry Drill, and Individual Company A Drill.

OTHER PRIZES are offered by the College of Law and the College of Medicine for excellence in the work of those colleges. See College of Law and College of Medicine.

HONORARY SOCIETIES—Phi Beta Kappa, founded by Thomas Jefferson, has for its object the promotion of scholarship among the students and graduates of American colleges; the Nebraska Alpha chapter, founded in 1896, annually elects to its membership the one-tenth to one-sixth of the graduating class whose scholarship rank is highest. Sigma Xi is a similar organization for the encouragement of original investigation in science, pure and applied, and Theta Kappa Nu for promotion of scholarship in law. Delta Sigma Rho is a national society organized in 1906 by universities of the West to promote among college students the art of effective public speaking and debate, and its membership is confined to authorized representatives of universities and colleges in intercollegiate contests in debate or oratory. Phi Alpha Tau is an intercollegiate honorary fraternity, organized by members of the University Debating Squad of 1906 to promote the art of public speaking and debate, and confines its membership, which is limited and by election, to students who have exhibited special interest in public speaking and debate and who have shown some special aptitude for that work.

PUBLICATIONS

GENERAL UNIVERSITY PUBLICATIONS—In addition to its annual Calendar and semi-monthly Bulletins, the University publishes monthly (except July and August) The University Journal, devoted to the relations of the University with the secondary schools of the state and with the University Alumni. General student publications include the Daily Nebraskan, The Cornhusker (annual), and the Students' Handbook (annual). One number of the semi-monthly Bulletins of the University is entitled The High School Manual and is devoted to high school problems.

DEPARTMENTAL OR SPECIAL PUBLICATIONS are the University Studies (see the Graduate College), Studies from the Zoological Laboratory, Reports of the Botanical Survey of Nebraska, the Flora of Nebraska, the Nebraska Geological Survey, and the Bulletin of the University College of Medicine. The Nebraska Engineering Blue Print is an annual publication by the Engineering Students.

MISCELLANEOUS INFORMATION

STUDENTS' MAIL sent direct to the University, should be addressed "Station A, Lincoln, Nebraska." This United States post-office is in effect part of the University, occupying University Hall 104, convenient to all students.

CONVOCATION—Voluntary religious exercises are held in the Chapel at eleven o'clock Tuesday and Thursday. These are followed by either an interesting address on some important topic of the time or by a musical program.

UNIVERSITY EXTENSION—Many of the professors in the

University deliver lectures before high schools, institutes, clubs and other organizations. For information regarding these, see Department of University Extension in the College of Arts and Sciences, or address the Director of University Extension, Station A, Lincoln, Nebraska.

FARMERS' INSTITUTES—The University carries on farmers' institute work in all parts of the state. Information in regard to these institutes is sent upon application to the Superintendent of Farmers' Institutes.

TEACHERS' BUREAU—The University maintains a Teachers' Bureau, under the direction of a committee, to assist students and graduates in securing positions as teachers and at the same time to aid superintendents and boards of education in providing schools with competent and suitable teaching talent. For information address the Secretary of the Teachers' Bureau.

THE ALUMNI ASSOCIATION, organized in 1874, is composed of the graduates of the University, including graduates receiving higher degrees. The annual meeting is held the day before Commencement Day.

MEETINGS OF STATE SOCIETIES—Many state societies hold their annual meetings at the University. The University is always pleased to extend its hospitality and the use of its buildings to any of these or to any similar organization.

VISITORS TO THE UNIVERSITY—Visitors are always welcome. High-school classes, clubs, or parties should, a few days in advance, inform the Registrar of their coming.

WOMEN'S PARLORS—In Soldiers' Memorial Hall a beautiful parlor has been furnished by members and friends of the University for the use of all women members of the University without reference to religious or other affiliations. Also, a study room open to all university women is provided in the basement of University Hall.

THE GRADUATE COLLEGE

MEMBERS OF THE FACULTY

SAMUEL AVERY, PH.D.

Chancellor and President of the University Senate

1909, 1901 Administration Hall 101

LUCIUS ADELNO SHERMAN, PH.D.

Dean of the Graduate College, and Head Professor of the English
Language and Literature

1887, 1882 Library Hall 301
1234 J Street

GROVE ETTINGER BARBER, A.M.

Head Professor of Roman History and Literature

1906, 1882 University Hall 205
620 South Tenth Street

HOWARD WALTER CALDWELL, A.M.

Head Professor of American History

1892, 1883 University Hall 210
1919 E Street

CHARLES EDWIN BESSEY, PH.D., LL.D.

Head Dean and Head Professor of Botany

1909, 1884 Nebraska Hall 104
1507 R Street

LAWRENCE BRUNER, B.Sc.

Head Professor of Entomology and Acting State Entomologist

1894, 1888 Nebraska Hall 303
2314 South Seventeenth Street

JAMES THOMAS LEES, PH.D.

Head Professor of Greek History and Literature

1891, 1889 University Hall 215
645 North Thirtieth Street

LAURENCE FOSSLER, A.M.

Head Professor of the Germanic Languages and Literatures

1894, 1899

University Hall 103

1547 South Seventeenth Street

ERWIN HINCKLEY BARBOUR, PH.D.

Head Professor of Geology, State Geologist, and Curator of the
University Museum

1893, 1891

Museum

1234 R Street

FRED MORROW FLING, PH.D.

Head Professor of European History

1893, 1891

Library Hall 308

1304 B Street

CHARLES RUSS RICHARDS, M.E., M.M.E.

Dean of the College of Engineering, and Head Professor of Mechanical
Engineering and Practical Mechanics

1909, 1891

Mechanic Arts Hall 203½

1803 A Street

OSCAR VAN PELT STOUT, B.C.E., C.E.

Head Professor of Civil Engineering

1898, 1891

Mechanic Arts Hall 205

1735 Euclid Avenue

ELLERY WILLIAMS DAVIS, PH.D.

Dean of the College of the Arts and Sciences, and Head Professor
of Mathematics

1893, 1893

Mechanic Arts Hall 301½

1345 South Eighteenth Street

* HENRY BALDWIN WARD, PH.D.

Dean of the College of Medicine and Head Professor of Zoology

1896, 1893

Nebraska Hall 206

WILLIAM GEORGE LANGWORTHY TAYLOR, A.B., LL.B.

Head Professor of Political Economy and Commerce

1897, 1893

University Hall 101

435 North Twenty-fifth Street

* Resigned.

THE UNIVERSITY OF NEBRASKA

GEORGE WASHINGTON ANDREW LUCKEY, PH.D.

Head Professor of Education

1896, 1895

University Hall 209

1439 R Street

PROSSER HALL FRYE, A.B.

Head Professor of Rhetoric

1909, 1896

University Hall 107

528 South Tenth Street

GEORGE ELLIOTT HOWARD, PH.D.

Head Professor of Political Science and Sociology

1904, 1904

University Hall 103

1910 E Street

HARRY KIRKE WOLFE, PH.D.

Head Professor of Philosophy

1909, 1905

University Hall 209

1727 J Street

FREDERICK JAMES ALWAY, PH.D.

Head Professor of Agricultural Chemistry

1909, 1906

Experiment Station Hall

517 East Fifteenth Street, University Place

CHARLES FORDYCE, PH.D.

Dean of the Teachers College, and Head Professor of Educational
Theory and Practice

1908, 1908

Administration Hall 104

1921 C Street

CLARA CONKLIN, A.M.

Professor of Romance Languages and Literatures

1904, 1892

University Hall 301

1220 L Street

ALBERT LUTHER CANDY, PH.D.

Professor of Pure Mathematics

1907, 1893

Mechanic Arts Hall 304

1003 H Street

GOODWIN DE LOSS SWEZEY, A.M.

Professor of Astronomy

1896, 1894

Brace Laboratory 306

2600 R Street

ROBERT HENRY WOLCOTT, A.M., M.D.

Professor of Anatomy

1905, 1894 Mechanic Arts Hall 300
2100 B Street

GEORGE RICHARD CHATBURN, B.C.E., A.M.

Professor of Applied Mechanics and Machine Design

1906, 1894 Mechanic Arts Hall 309
2850 P Street

WILLIAM FRANCIS DANN, A.M.

Professor of the History and Criticism of the Fine Arts

1907, 1894 University Hall 202
3037 R Street

EDGAR LENDERSON HINMAN, PH.D.

Professor of Logic and Metaphysics

1906, 1896 Library Hall 110
2510 T Street

BURTON EVANS MOORE, PH.D.

Professor of Physics

1906, 1896 Brace Laboratory
1900 Euclid Avenue

CARL CHRISTIAN ENGBERG, PH.D.

Professor of Applied Mathematics

1908, 1896 Mechanic Arts Hall 302
330 North Thirty-second Street

CLARENCE AURELIUS SKINNER, PH.D.

Professor of Physics

1906, 1899 Brace Laboratory 206
1602 Poplar Street

PAUL HENRY GRUMMANN, A.M.

Professor of Modern German Literature

1907, 1900 University Hall 111
1930 Washington Street

JOHN EDWIN ALMY, PH.D.

Professor of Experimental Physics

1909, 1900 Brace Laboratory
2300 A Street

THE UNIVERSITY OF NEBRASKA

MILLER MOORE FOGG, A.M.

Professor of Rhetoric

1905, 1901

University Hall 107

1630 G Street

GEORGE EVERT CONDRA, PH.D.

Professor of Geography and Economic Geology

1906, 1902

Museum

1319 Q Street

WILLIAM ALBERT WILLARD, A.M.

Professor of Histology and Embryology

1909, 1902

Nebraska Hall 204

826 South Eighteenth Street

FERDINAND COURTNEY FRENCH, PH.D.

Professor of Philosophy

1903, 1903

Library Hall 110

644 North Twenty-sixth Street

HERBERT HAROLD WAITE, A.M., M.D.

Professor of Bacteriology and Pathology

1907, 1903

Nebraska Hall 306

Melick Court

*BENTON DALES, PH.D.

Professor of Analytical Chemistry

1908, 1903

Chemistry Hall

2030 C Street

AUGUST ERNEST GUENTHER, PH.D.

Professor of Physiology

1908, 1905

Nebraska Hall 5

1712 E Street

EDWIN MAXEY, D.C.L., PH.M.

Professor of Public Law and Diplomacy

1906, 1906

University Hall 308

1216 H Street

EDWARD GERRARD MONTGOMERY, A.M.

Professor of Experimental Agronomy

1909, 1906

Experiment Station Hall

424 North Twenty-fifth Street

* In charge of the Department of Chemistry.

HUTTON WEBSTER, PH.D.

Professor of Social Anthropology

1907, 1907

University Hall 103

1547 H Street

HARTLEY BURR ALEXANDER, PH.D.

Professor of Philosophy

1908, 1908

Library Hall 110

1736 Garfield Street

EDWIN MEAD WILCOX, PH.D.

Professor of Agricultural Botany

1908, 1908

Agricultural Hall 307

3257 R Street

LOUISE POUND, PH.D.,

Associate Professor of the English Language and Literature

1908, 1894

Library Hall 301

1632 L Street

GUERNSEY JONES, PH.D.

Associate Professor of American History

1909, 1897

University Hall 210

1418 L Street

CHARLES WILLIAM WALLACE, PH.D.

Associate Professor of the English Language and Literature

1908, 1901

Library Hall 301

1539 South Twenty-first Street

CLARK EDMUND PERSINGER, A.M.

Associate Professor of American History

1909, 1901

University Hall 210

1844 Harwood Street

FREDERICK AMES STUFF, A.M.

Associate Professor of the English Language and Literature

1908, 1902

Library Hall 301

627 North Twenty-eighth Street

FRANKLIN DAVIS BARKER, A.M.

Associate Professor of Zoology

1909, 1903

Nebraska Hall 305

1771 South Twenty-sixth Street

THE UNIVERSITY OF NEBRASKA

LUCILE EAVES, A.B., M.S.C.

Associate Professor of Practical Sociology

1908, 1908

University Hall 103

GEORGE ANDREW LOVELAND, A.M., LL.B.

Assistant Professor of Meteorology, and Observer and Section Director
of the United States Weather Bureau

1906, 1894

Brace Laboratory

1130 South Twentieth Street

LEON EMMONS AYLSWORTH, A.M.

Assistant Professor of Political Science

1909, 1902

University Hall 103

2048 Vine Street

CHARLES LEE DEAN, B.Sc. in M. E.

Assistant Professor of Mechanical Engineering

1909, 1902

Mechanic Arts Hall 211

2638 O Street

FREDERICK WARREN SANFORD, A.B.

Assistant Professor of Roman History and Literature

1906, 1906

University Hall 203

1629 Washington Street

* THOMAS BARTLETT SEARS, C.E.

Assistant Professor of Civil Engineering

1908, 1906

Mechanic Arts Hall 205

1319 South Twenty-third Street

PHILIP K. SLAYMAKER, M.E.

Assistant Professor of Applied Mechanics and Machine Design

1908, 1907

Mechanic Arts Hall 309

350 North Twenty-eighth Street

JULIA KORSMEYER, A.M.

Adjunct Professor of the Romance Languages and Literatures

1907, 1901

University Hall 302

1920 C Street

* Resigned.

THE GRADUATE COLLEGE

GENERAL INFORMATION

General information regarding the University as a whole, the colleges and schools of the University, and various requirements made of all students, is contained in the introductory pages of this Calendar (pages 43 to 69), and should be consulted in connection with the following information concerning this college.

ORGANIZATION AND HISTORY

Graduate instruction in the University of Nebraska was organized in 1886. In September of this year, courses were offered in Latin, Greek, Sanskrit, Old English, Old French, Germanics, English Constitutional History, Institutional History, Mathematics, Civil Engineering, Botany, Chemistry, and Geology. In years following, up to 1895, graduate work was begun in Economics, Entomology, American History, European History, Philosophy, Physics, and Zoology. In 1895, a Graduate School was organized, under a dean, and a designated faculty. The number of students increased steadily, and in 1898 thirty-nine candidates received degrees. During this second period lasting till 1909, many graduate subjects were added, including Astronomy, Bacteriology, Commerce, Education, English History, Geography, Physiology, Political Science and Sociology, and Rhetoric. In the Legislative session of 1909,

the charter of 1877 was amended, and the establishment of seven colleges, instead of the five colleges named in the charter, was authorized. By this Act, the Graduate School becomes the Graduate College of the University of Nebraska.

PURPOSE OF THE COLLEGE

The Graduate College extends and enlarges the work of the undergraduate departments, in order to provide facilities for specialization and research. It enables students to employ themselves for two or more semesters on uncompleted subjects, or other work for which the discipline of college training has prepared them. It furnishes expert and standard preparation for those who expect to become investigators, consulting engineers, or teachers in academies and colleges. The Graduate College offers these privileges, which would be costly in an institution differently endowed, practically without expense to the student.

FEES

Students entering the Graduate College pay a matriculation fee of five dollars, and an incidental fee of three dollars each semester. Those who work in laboratories pay the usual fees for material and breakage; other students pay a library fee of one dollar a semester. There is a diploma fee of ten dollars for each advanced degree, and an additional fee of \$10.00 if the degree is taken *in absentia*. The doctor's degree cannot be taken *in absentia*.

ADMISSION

The Graduate College recognizes three classes of applicants: those who, having taken a bachelor's degree, wish

to broaden their education without reference to higher degrees; those who wish to be candidates for advanced degrees, but are deficient in undergraduate preparation; and those who are eligible to candidacy, and wish to enter at once upon their special work. Those who do not wish to be candidates for an advanced degree are at once admitted, on evidence of graduation, to approved work in the Graduate College. Persons presenting first degrees in Law or Medicine or Theology may be admitted in this class. Those seeking advanced degrees, with insufficient preparation, are admitted to graduate standing, but must at once make up their deficiencies by taking courses in the undergraduate colleges. On completion of these assigned or arranged courses, such students become applicants of the third class, and are eligible to candidacy for the degree desired.

DEGREES

The degrees of Doctor of Philosophy, Master of Arts, Civil Engineer, Electrical Engineer, and Mechanical Engineer are conferred on registered students, by the Board of Regents, upon recommendation of the Graduate faculty.

REGISTRATION

Graduates of the undergraduate colleges of this University or of other colleges having equivalent courses, who have been accepted and approved by heads of departments in charge of the subjects proposed, are registered by the Dean of the college for the degree they designate. For the degree of Doctor of Philosophy, the candidate must be registered for a major subject, and an approvably related

minor, or a major subject and two approvably related minors. Candidates for the degree of Master of Arts may be registered for a major and a minor subject, or for a major and two minors, or may concentrate all work upon a single subject.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

GENERAL—Candidacy for the degree of Doctor of Philosophy can in no case be completed in less than three years of graduate study. Two years of such work, in another institution, when carried with proper facilities and under competent instruction, may be credited by the Graduate Council; but the last year of candidacy must be spent in residence in the Graduate College. Each candidate must, at registration, satisfy the Graduate Council that he has a reading knowledge of French and German, or must arrange with the heads of these departments with reference to his deficiencies. On completion of his studies, the candidate must present an acceptable thesis, and pass a public examination in the subjects pursued.

THESIS—The thesis, prepared upon a topic that has been approved by the professor in charge of the major subject, must show evidence of scholarly research. It must be typewritten, paged, and bound according to a prescribed form, which may be seen in the University library. It must be submitted to the professor in charge of the major subject at least two months before the intended graduation of the candidate. When it has been approved by the examining committee, it will be placed in the Chancellor's office, where,

during a period of not less than two weeks, it will be available for inspection by members of the Faculty. A public defense of the thesis may be required of the candidate. After the thesis has been finally approved, the candidate must file an original and a duplicate typewritten copy of it with the Librarian. The original copy of the thesis so filed may not be loaned, or pass from the custody of the library. It is also required that the candidate print and deposit in the library of the University one hundred copies of his thesis, to be subject to the control of the librarian and the head of the department concerned. All theses, whether typewritten or printed, must be provided with a cover and a title page lettered in a form prescribed by the Librarian. The candidate is, however, permitted to receive his degree before depositing printed copies of his thesis, provided he furnish and file, with the Secretary of the Board of Regents, a security company bond for its publication. The amount of this bond will be determined by the Librarian, and any term of extension will be fixed jointly by the Librarian and the Dean of the Graduate College.

EXAMINATION—After the thesis of the candidate has been accepted by the examining committee, he must pass a public examination in the subjects offered for his degree. This examination is held before an examining committee of not less than three members, including the professors in charge of the major and minor subjects, supplemented if necessary by appointment from the Graduate Faculty.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

GENERAL—Candidacy for the degree of Master of Arts can in no case be completed in less than a year of resident graduate study.* On completion of this study, the candidate must pass a public examination, and present an acceptable thesis, based upon some topic connected with his major subject.

EXAMINATION—After finishing his studies, each candidate must pass a public examination in the subjects offered for the Master's degree. By concession, a student unable to complete his candidacy in a single residence at the University may be examined in his major and minor studies separately, on completion of either. The examination is conducted by a committee composed of the professors in charge of the major and minor subjects. If but a single subject is offered, an additional examiner is appointed from the Graduate Faculty.

THESIS—Each candidate for the degree of Master of Arts must present a thesis embodying, in connection with his major subject, the results of research, of the scholarly treatment of some topic. It must be typewritten, paged, and bound according to a form prescribed, which may be seen in the library of the University. It must be submitted for examination at least two weeks before the intended graduation of the candidate. After being approved and accepted, the thesis becomes the property of the University and is placed on file in the University library.

* By concession, approved students may be accounted to have fulfilled the requirements as to residence by completion of eighteen hours of work registered for in Summer Sessions of the University.

FELLOWS AND SCHOLARS

Fellowships are awarded to candidates for higher degrees who present evidence of high attainments, and who have completed at least a year of approved graduate study. Compensation for services by instruction or otherwise does not exceed \$400 a year. Scholarships are awarded to candidates for higher degrees on evidence of high attainments in undergraduate study. The compensation is \$200. Semestral fees are remitted to Fellows and Scholars. All applications from candidates for Fellowships or Scholarships must be entered before March 1.

THE GRADUATE CLUB.

The Graduate Club aims to promote good fellowship, scientific interest, and breadth of view among the graduate students of the University. Any student registered for graduate work may become a member. The Chancellor and all persons giving graduate instruction in the college are members by courtesy. The club meets at least thrice a year to transact business and to listen to papers on scientific subjects. These papers aim to present in comparatively untechnical form the results of research

THE UNIVERSITY STUDIES

The University publishes quarterly The University Studies, containing contributions by members of the Faculty and at least portions of such doctors' dissertations as are regarded as especially worthy of publication therein.

THE COLLEGE OF ARTS AND SCIENCES

MEMBERS OF THE FACULTY

SAMUEL AVERY, PH.D.

Chancellor and President of the University Senate

1909, 1901 Administration Hall 101

ELLERY WILLIAM DAVIS, PH.D.

Dean of the College of Arts and Sciences, and Head Professor of Mathematics

1893, 1893 Mechanic Arts Hall 301½
1345 South Eighteenth Street

LUCIUS ADELNO SHERMAN, PH.D.

Dean of the Graduate College and Head Professor of the English Language and Literature

1887, 1882 Library Hall 301
1234 J Street

GROVE ETTINGER BARBER, A.M.

Head Professor of Roman History and Literature

1906, 1882 University Hall 205
620 South Tenth Street

HOWARD WALTER CALDWELL, A.M.

Head Professor of American History

1892, 1883 University Hall 210
1919 E Street

CHARLES EDWIN BESSEY, PH.D., LL.D.

Head Dean and Head Professor of Botany

1909, 1884 Nebraska Hall 104
1507 R Street

LAWRENCE BRUNER, B. Sc.

Head Professor of Entomology and Acting State Entomologist

1894, 1888 Nebraska Hall 303
2314 South Seventeenth Street

JAMES THOMAS LEES, PH.D.

Head Professor of Greek History and Literature

1891, 1889 University Hall 215
645 North Thirtieth Street

LAURENCE FOSSLER, A.M.

Head Professor of the Germanic Languages and Literature

1894, 1889 University Hall 108
1547 South Seventeenth Street

ERWIN HINCKLEY BARBOUR, PH.D.

Head Professor of Geology, State Geologist, and Curator of the University Museum

1893, 1891 Museum
1234 R Street

FRED MORROW FLING, PH.D.

Head Professor of European History

1893, 1891 Library Hall 308
1304 B Street

*HENRY BALDWIN WARD, PH.D.

Dean of the College of Medicine and Head Professor of Zoology

1896, 1893 Administration Hall 104

WILLIAM GEORGE LANGWORTHY TAYLOR, A.B., LL.B.

Head Professor of Political Economy and Commerce

1897, 1893 University Hall 101
435 North Twenty-fifth Street

GEORGE WASHINGTON ANDREW LUCKEY, PH.D.

Head Professor of Education

1896, 1895 University Hall 209
1439 R Street

PROSSER HALL FRYE, A.B.

Head Professor of Rhetoric

1909, 1896 University Hall 107
528 South Tenth Street

GEORGE ELLIOTT HOWARD, PH.D.

Head Professor of Political Science and Sociology

1904, 1904 University Hall 103
1910 E Street

* Resigned.

THE UNIVERSITY OF NEBRASKA

HARRY KIRKE WOLFE, PH.D.

Head Professor of Philosophy

1909, 1905

University Hall 209

1727 J Street

CHARLES FORDYCE, PH.D.

Dean of the Teachers College and Head Professor of Educational Theory
and Practice

1908, 1908

Administration Hall 104

1921 C street

SARKA HRBKOVA

Acting Head of the Department of Slavonic

1909, 1907

University Hall 108

1726 Q Street

CLARA CONKLIN, A.M.

Professor of Romance Languages and Literatures

1904, 1892

University Hall 301

1220 L Street

ALBERT LUTHER CANDY, PH.D.

Professor of Pure Mathematics

1907, 1893

Mechanic Arts Hall 304

1003 H Street

GOODWIN DE LOSS SWEZEY, A.M.

Professor of Astronomy

1896, 1894

Observatory

2600 R Street

WILLIAM FRANCIS DANN, A.M.

Professor of the History and Criticism of the Fine Arts

1907, 1894

University Hall 202

3037 R Street

EDGAR LENDERSON HINMAN, PH.D.

Professor of Logic and Metaphysics

1906, 1896

Library Hall 109

2510 T Street

BURTON EVANS MOORE, PH.D.

Professor of Physics

1907, 1896

Brace Laboratory

1900 Euclid Avenue

CARL CHRISTIAN ENGBERG, PH.D.

Professor of Applied Mathematics

1908, 1896 Mechanic Arts Hall 302
330 North Thirty-second Street

CLARENCE AURELIUS SKINNER, PH.D.

Professor of Physics

1906, 1899 Brace Laboratory 206
1602 Poplar Street

PAUL HENRY GRUMMANN, A.M.

Professor of Modern German Literature

1907, 1900 University Hall 111
1930 Washington Street

JOHN EDWIN ALMY, PH.D.

Professor of Experimental Physics

1909, 1900 Brace Laboratory
2300 A Street

MILLER MOORE FOGG, A.M.

Professor of Rhetoric

1905, 1901 University Hall 107
1630 G Street

RAYMOND GUSTAVUS CLAPP, PH.D., M.D.

Professor of Physical Education and Director of Athletics

1902, 1902 Grant Memorial Hall
641 South Thirteenth Street

GEORGE EVERT CONDRA, PH.D.

Professor of Geography and Economic Geology

1906, 1902 Museum (or University Hall 7)
1319 Q Street

WILLIAM ALBERT WILLARD, A.M.

Professor of Histology and Embryology

1909, 1902 Nebraska Hall
826 South Eighteenth Street

FERDINAND COURTNEY FRENCH, PH.D.

Professor of Philosophy

1903, 1903 Library Hall 110
644 North Twenty-sixth Street

THE UNIVERSITY OF NEBRASKA

HERBERT HAROLD WAITE, A.M., M.D.

Professor of Bacteriology and Pathology

1907, 1903

Nebraska Hall 303

Melick Court

BENTON DALES, PH.D.

* Professor of Analytical Chemistry

1908, 1903

Chemistry Hall

2030 C Street

AUGUST ERNEST GUENTHER, PH.D.

Professor of Physiology

1908, 1905

Nebraska Hall 5

1712 E Street

EDWIN MAXEY, D.C.L., PH.M.

Professor of Public Law and Diplomacy

1906, 1906

University Hall 308

1216 H Street

† WILLIAM CLARENCE WEBSTER, PH.D.

Professor of Commerce

1907, 1906

HUTTON WEBSTER, PH.D.

Professor of Social Anthropology

1907, 1907

University Hall 103

1547 H Street

HARTLEY BURR ALEXANDER, PH.D.

Professor of Philosophy

1908, 1908

Library Hall 110

1736 Garfield Street

*JAMES EDWARD LE ROSSIGNOL, PH.D.

Professor of Political Economy and Private Finance

1908, 1908

JASPER LEONIDAS MCBRIEN, A.M.

Director of University Extension Work

1908, 1908

Administration Hall 203

716 South Eighteenth Street

* In charge of the Department of Chemistry.

† Resigned.

GEORGE OLIEN VIRTUE, PH.D.

Professor of Political Economy and Public Finance

1909, 1909 University Hall 101

HALSEY E. YATES, Captain 17th Inf., U. S. A.

Professor of Military Science and Tactics

1909, 1909 Grant Memorial Hall

LOUISE POUND, PH.D.

Associate Professor of the English Language and Literature

1908, 1894 Library Hall 301
1632 L Street

GUERNSEY JONES, PH.D.

Associate Professor of American History

1909, 1897 University Hall 210
1418 L Street

CHARLES WILLIAM WALLACE, PH.D.

Associate Professor of the English Language and Literature

1908, 1901 Library Hall 301
1539 South Twenty-first Street

CLARK EDMUND PERSINGER, A.M.

Associate Professor of American History

1909, 1901 University Hall 210
1844 Harwood Street

FREDERICK AMES STUFF, A.M.

Associate Professor of the English Language and Literature

1908, 1902 Library Hall 301
627 North Twenty-eighth Street

FRANKLIN DAVIS BARKER, A.M.

Associate Professor of Zoology

1909, 1903 Nebraska Hall 302
1771 South Twenty-sixth Street

JOSEPH HORACE POWERS, PH.D.

Associate Professor of Zoology

1909, 1903 Nebraska Hall 208
3150 R Street

THE UNIVERSITY OF NEBRASKA

WILLIAM CHARLES BRENKE, PH.D., M.Sc.

Associate Professor of Mathematics

1909, 1907 Mechanic Arts Hall 301½
400 South Twenty-sixth Street

LUCILE EAVES, A.B., M.Sc.

Associate Professor of Practical Sociology

1908, 1908 University Hall 103

GEORGE ANDREW LOVELAND, A.M., LL.B.

Assistant Professor of Meteorology, and Observer and Section Director
United States Weather Bureau1906, 1894 Brace Laboratory
1130 South Twentieth Street

AMANDA HENRIETTA HEPPNER, A.M.

Assistant Professor of the Germanic Languages and Literatures

1909, 1894 University Hall 110
944 Washington Street

LEON EMMONS AYLSWORTH, A.M.

Assistant Professor of Political Science

1909, 1902 University Hall 103
2048 Vine Street

CHARLES M. HECK, A.M.

Assistant Professor of Physics

1909, 1905 Brace Laboratory
1501 S Street

FREDERICK WARREN SANFORD, A.B.

Assistant Professor of Roman History and Literature

1906, 1906 University Hall 203
1629 Washington Street

LOUIS BRYANT TUCKERMAN, JR., A.B.

Assistant Professor of Physics

1909, 1906 Brace Laboratory
1726 N Street

CARRIE BELLE RAYMOND

Director of Music

1908, 1894 The Temple
1414 L Street

MARY LOUISE FOSSLER, A.M.

Adjunct Professor of Chemistry

1908, 1898

Chemistry Hall
2434 Q Street

SARA SHEWELL HAYDEN

Director of School of Fine Arts

1909, 1899

Library Hall 305
1820 B Street

HARRIET ALICE HOWELL, A.M.

Adjunct Professor of Elocution

1905, 1900

University Hall 106
Melick Court

JULIA KORSMEYER, A.M.

Adjunct Professor of the Romance Languages and Literatures

1907, 1901

University Hall 302
1920 C Street

LAURA BELLE PFEIFFER, A.M.

Adjunct Professor of European History

1906, 1903

Library Hall 308
The Orlo

ALICE CUSHMAN HUNTER, PH.D.

Adjunct Professor of Roman History and Literature

1908, 1904

University Hall 205
1448 R Street

DANIEL FORD, A.M.

Adjunct Professor of Rhetoric

1906, 1905

University Hall 107
Melick Court

SHERLOCK BRONSON GASS, A.B., PH.B.

Adjunct Professor of Rhetoric

1907, 1905

University Hall 107
1712 E Street

GEORGE BORROWMAN, A.M.

Adjunct Professor of Chemistry

1908, 1905

Chemistry Hall
407 South Fourteenth Street

*ALICE CHRISTINE TOWNE, A.B.

Director of the Women's Gymnasium and Adjunct Professor of Physical
Education

1908, 1905

* Resigned.

THE UNIVERSITY OF NEBRASKA

ELDA REMA WALKER, PH.D.

Adjunct Professor of Botany

1907, 1906

Nebraska Hall 103

331 North Eleventh Street

MILTON D. BAUMGARTNER

Adjunct Professor of German

1908, 1907

University Hall 103

Lyman Terrace

RAYMOND JOHN POOL, A.M.

Adjunct Professor of Botany

1909, 1907

Nebraska Hall 103

1451 Q Street

NELS AUGUST BENGTON, A.M.

Adjunct Professor of Geography and Economic Geology

1909, 1908

University Hall 7

2307 Lynn Street

ANDREW D. SCHRAG, PH.D.

Adjunct Professor of German

1909, 1908

University Hall 108

1833 G Street

ADDISON ERWIN SHELDON, A.M.

Lecturer in Political Science

1909, 1908

State House

2537 J Street

JOHN MARTIN CHOWINS

Expert Mechanician, Department of Physics

1887, 1887

Brace Laboratory

2820 T Street

BERTRAM JOHN SPENCER

Demonstrator and Teacher of Construction in Physics

1908, 1893

Brace Laboratory

1335 North Twenty-fourth Street

HENRIETTA McELROY BROCK

Instructor in China Painting

Library Hall 305

620 South Tenth Street

MAY CHAMBERLAIN, A.M.

Instructor in the Germanic Languages and Literatures

1900, 1896

University Hall 109

2730 Q Street

AUGUST HAGENOW

Instructor of the Band

1903, 1903

Grant Hall

2134 A Street

MARGUERITE CAMERON MCPHEE, A.M.

Instructor in Rhetoric

1908, 1905

University Hall 107

641 South Thirteenth Street

INA ESTELLE GITTINGS, A.B.

Instructor in Physical Education

1907, 1907

Memorial Hall

226 North Twenty-sixth Street

HENRY T. JOHNSON, PH.D.

Instructor in Mathematics

1907, 1907

Mechanic Arts Hall 301½

ELIZABETH IRENE REESE, A.M.

Instructor in Romance Languages and Literatures

1907, 1907

University Hall 301

529 North Sixteenth Street

LEVA BELLE WALKER, A.M.

Instructor in Plant Pathology

1908, 1907

Nebraska Hall 108

331 North Eleventh Street

DAISY JEANNETTE NEEDHAM, A.M.

Instructor in European History

1909, 1907

Library Hall 308

1726 Q Street

*ALLEN CARPENTER, A.M.

Instructor in Mathematics

1908, 1908

* Resigned.

THE UNIVERSITY OF NEBRASKA

FRANCIS J. PERUSSE, PH.C.

Instructor in Pharmacology

1908, 1908

Nebraska Hall 7

505 North Seventeenth Street

*BENJAMIN G. SINCLAIR, PH.B., A.M.

Instructor in Rhetoric

1908, 1908

OSCAR LEONARD BARNEBEY, A.M.

Instructor in Chemistry

1909, 1909

Chemistry Hall

2008 R Street

CLARENCE EMERSON, PH.D.

Instructor in Bacteriology

1909, 1909

Nebraska Hall 303

2640 K Street

MINNIE THROOP ENGLAND, PH.D.

Instructor in Political Economy

1909, 1909

University Hall 101

University Place

LULU L. RUNGE

Instructor in Mathematics

1909, 1909

Mechanic Arts Hall 301½

GEORGE ASBURY STEPHENS, PH.D.

Instructor in Political Economy

1909, 1909

University Hall 101

MARY CATHERINE GRAHAM, A.B.

Assistant Instructor in Chemistry

1909, 1909

Chemistry Hall

335 South Twenty-fifth Street

* CARRIE ADELINE BARBOUR, B.Sc.

Assistant Curator of the University Museum

Museum

1446 Q Street

GEORGE NEWTON LAMB, B.Sc.

Acting Curator of Herbarium

Museum

2427 P Street

* Resigned.

GEORGE HEMAN WALKER, M.D.

Demonstrator in Anatomy

Mechanic Arts Hall 300

Sunlight Sanitarium

WALTER GARFIELD HILTNER, B.Sc., M.D.

Demonstrator in Anatomy

Mechanic Arts Hall 300

HENRY PETER WEKESSER, M.D.

Demonstrator in Anatomy

Mechanic Arts Hall 300

1105 O Street

ASSISTANTS

CLAUDIUS EDMUND BENNETT, B.Sc., Assistant in Physics, Brace Laboratory 208, 1001 Jackson Street, Havelock.

VIVIAN LEROY CHRISLER, A.M., Assistant in Physics, Brace Laboratory 201.

LOYD ANCILE JONES, B.Sc. in E.E., Assistant in Physics, Brace Laboratory, 1425 U Street.

LEWIS BERTIE OLMSTEAD, B.Sc., Assistant in Physics, Brace Laboratory 301, 2301 S Street.

ALICE PURINTON, B.Sc., Assistant in Physics, Hays Hall.

JOHN MERRIAM ALEXANDER, A.B., Assistant in Political Economy, University Hall 101, 348 South Twenty-fifth Street.

GEORGE ROGER LA RUE, A.M., Technician in Zoology, Nebraska Hall 207.

J. G. L. LEWIS, Fellow in American History, University Hall 210.

E. A. BOOSTROM, Fellow in Botany, Nebraska Hall 108.

DELLA ELIZABETH INGRAM, Fellow in Botany, Nebraska Hall 108, Hays Hall.

ALBERT G. WOOD, Fellow in Botany, Nebraska Hall 108.

SARAH AGNES RYAN, A.B., Fellow in German, University Hall 108, 2804 T Street.

ANNIS SARAH CHAIKIN, A.B., Fellow and Assistant in Greek, University Hall 215, Hays Hall.

- WILSON ALEXANDER MYERS, A.B., Fellow in Histology and Embryology, Nebraska Hall 204, Conservatory of Music.
- IVA ERNSBERGER, Fellow in Mathematics, Mechanic Arts Hall 301½.
- GEORGE WASHINGTON HANN, B.Sc., Fellow in Mathematics, Mechanic Arts Hall 301½.
- MARGARET HELEN MCLEAN, Fellow in Mathematics, Mechanic Arts Hall 301½.
- ELSIE DAY, A.B., Fellow in Pharmacodynamics, Nebraska Hall 3, 1641 South Twenty-first Street.
- MABELLE ZOE NIMS, Fellow in Philosophy, Library Hall 110.
- TOBIE AGNES GORDON, A.B., Fellow in Romance Languages, University Hall 301, 2111 L Street.
- AUGUST N. ANDERSON, M.D., Fellow in Swedish, University Hall, 405 South Eighteenth Street.
- EARL BURDETTE NEWTON, A.B., Fellow in Zoology, Nebraska Hall 208, 236 South Twenty-seventh Street.
- JOSEPH RICHARD FULK, A.B., Fellow in American History, University Hall 210.
- WALTER LYNDON POPE, A.B., Scholar in American History, 1029 R Street.
- JOSEPH JAMES RUNNER, A.B., Scholar in Astronomy, Observatory, 307 North Twenty-fourth Street.
- CHARLES ERNEST OVERMAN, B.Sc., Scholar in Chemistry, Chemistry Hall, 1437 S Street.
- VIOLA FLORENCE BARNS, A.B., Scholar in English Language and Literature, Library Hall 301, 1632 L Street.
- FLORENCE S. McCONNELL, Scholar in English Language and Literature, Library Hall 301.
- CONSTANCE MIRIAM SYFORD, A.B., Scholar in English Language and Literature, Library Hall 301, 700 North Sixteenth Street.
- GRACE BUNCE, A.B., Scholar in European History, Library Hall 309, 631 South Eleventh Street.
- PAUL DEAN THOMPSON, A.B., Scholar in Greek, University Hall 215, 2027 S Street.
- WARREN S. THOMPSON, Scholar in Philosophy, Library Hall 110.

WILLIAM WALTER CORT, A.B., Scholar in Zoology, Nebraska Hall
208.

EDITH ANITA GRIMM, A.B., Scholar in Latin, University Hall 205,
1626 B Street.

EARLE GEORGE JOHNSON, A.B., Scholar in Zoology, Nebraska Hall
208.

STANDING COMMITTEES OF THE FACULTY

Assignment to Recitations and Laboratories—Engberg (chairman),
Aylsworth, Bengtson, Borrowman, Ford, Heck, Persinger, Pool.

THE COLLEGE OF ARTS AND SCIENCES

GENERAL INFORMATION

General information regarding the University as a whole, the colleges and schools of the University, and various requirements made of all students, is contained in the introductory pages of this Calendar (pages 43 to 69), and should be consulted in connection with the following information concerning this college.

PURPOSE OF THE COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences offers a four-year non-technical course of study leading to the degree of Bachelor of Arts or of Bachelor of Science. No student is permitted to be a candidate for more than one degree at a time. Not more than one degree can be conferred upon any student on any commencement day. A graduate holding the degree of Bachelor of Arts may receive the degree of Bachelor of Science by an additional year of work (30 hours), two-thirds of which must be given to a major in Exact Science, Physical Science, or Biological Science. A graduate holding the degree of Bachelor of Science may receive the degree of Bachelor of Arts by an additional year of work (30 hours), two-thirds of which must be given to a major in the Mother Tongue, Classics, Modern Language, History, Philosophy or Economics.

REQUIREMENTS FOR ADMISSION

ENTRANCE CREDITS—For admission to the Freshman year of the College of Arts and Sciences a student must present 28 high school credits or “credit points,” as explained on page 45. In 1910-1911 this requirement will be raised to 30 credits or “credit points.” Conditional admission is permitted on a minimum of 22 credits or “credit points” (2: in 1910-1911).

REQUIRED SUBJECTS—Of the 28 points required for admission, 17 must be presented from the following subjects in the amount indicated:

REQUIRED SUBJECTS—17 POINTS

	1909- 1910	1910- 1911
Algebra (to simultaneous quadratics), 1 year, 5 hours a week	2	3 (thru logarithms)
Rhetoric and Literature, 2 years, 5 hours a week	4	4
Geometry (plane and solid), 1½ years, 5 hours a week	3	2 (plane)
History (European), 1 year, 5 hours a week..	2	2
Language (Latin 2 years at least), 3 years, 5 hours a week	6	6

OPTIONAL SUBJECTS—11 (1909-10), 13 (1910-11) POINTS

In addition to these required subjects, for which no substitutes are accepted, applicants must present eleven points from the following optional subjects:

	1909- 1910	1910- 1911
Agriculture	1	1
Algebra (simultaneous quadratics through logarithms), ½ year, 5 hours a week	1	0
Solid Geometry, ½ year, 5 hours a week.....	0	1
Trigonometry (plane), ½ year, 5 hours a week.....	1	1
Rhetoric and Literature, 1 year, 5 hours a week.....	2	*2

* Four optional points are allowed only to schools named by Accredited Schools committee.

	1909- 1910	1910- 1911
French, 1 to 3 years, 5 hours a week.....	2 to 6	2 to 6
German, 1 to 3 years, 5 hours a week.....	2 to 6	2 to 6
Greek, 1 to 3 years, 5 hours a week.....	2 to 6	2 to 6
Latin, 1 or 2 years, 5 hours a week.....	2 to 4	2 to 4
History (American or European), 1 or 2 yrs., 5 hrs. a week, 1 to 4	1 to 4	1 to 4
Natural Science (Botany, Zoology), 1 year, 5 hours a week, 1 or 2	1 or 2	1 or 2
Physical Science—		
Chemistry, 1 year, 5 hours a week.....	1 or 2	1 or 2
Physics, 1 year, 5 hours a week.....	1 or 2	1 or 2
Astronomy	} Not more than three accepted.....3	} 4
Civics		
Geology		
Normal Training		
Physical Geography		
Physiology and Hygiene		
Political Economy	}	}
Bookkeeping.....		
* Senior Reviews.....		

ADVANCED STANDING is given students who possess collegiate credit from other institutions, on the conditions noted on page 49.

ADULT SPECIAL STUDENTS—Persons of proper age may be permitted to register unclassified on the conditions set forth on page 50.

REGISTRATION in the College of Arts and Sciences occurs on the five days from 9 a. m. Tuesday to 5 p. m. Saturday of the first week of each semester. All requirements indicated on pages 51 to 53 apply to registration in this college.

* Credit granted only to graduates of Normal Training High Schools.

REQUIREMENTS FOR GRADUATION

UNIVERSITY CREDITS—For the degree of Bachelor of Arts or of Bachelor of Science 125 University “credit hours” are required. A “credit hour” is the equivalent of a course demanding one recitation or lecture hour and two preparation hours for each of the eighteen weeks of a semester. No student is recommended for a degree who is not within eighteen hours of this requirement at the beginning of his last semester.

REQUIRED SUBJECTS—Each candidate for the degree of Bachelor of Arts in the College of Arts and Sciences is required to complete 4 hours of Rhetoric (courses 1 and 2), and 4 hours of military science* (men) or physical culture* (women). In addition each student is required to take six out of the following eight groups of studies which must be completed before the end of the third year. The two groups omitted must not be in the same division (A, B, or C).

In required electives the two semesters' work shall be taken consecutively and in the same department.

	Hours
(1) The Mother Tongue	6
A (2) The Classics (Greek or Latin)	10
(3) Modern Language (other than English)	10
B (4) History and Sociology	6
(5) Philosophy and Economics	6
(6) Exact Science (Astronomy, Mathematics)	10
C (7) Physical Science (Chemistry or Physics)	6
(8) Biology (Botany or Zoology)	6

* See pages 54 and 55 for regulations concerning Military Science or Physical Culture.

These required electives, with the 8 hours of absolute requirements named above, make 40, 44, or 48 hours. The remaining 77, 73, or 69 hours necessary to the total of 125 hours required for the bachelor's degree are open to free election. The plan, more briefly, contemplates:

	Hours
I. Absolute requirements	8
II. Required electives	40, 44 or 48
III. Free Electives	77, 73 or 69

Students in this college who shall have taken their major in a scientific department and have completed in all sixty hours in mathematics and natural science in addition to military science or physical culture—4 hours—and Rhetoric 1, 2—4 hours—of the 125 hours required for graduation may receive the degree of Bachelor of Science.* †

MAJOR SUBJECTS—Not later than the beginning of his second year, each student in the College of Arts and Sciences must select some one department in which he will take a "major" of not less than 24‡ nor more than 40 hours.

ADVISERS—At the time of his first registration each freshman student in the College of Arts and Sciences is assigned to some one member of the faculty, who becomes his adviser during the freshman year. When at the beginning of the

* Students who desire to receive the degree of Bachelor of Science in preparation for a course in medicine should consult the 6-year combined academic-medical course given in the announcement of the College of Medicine.

† Students registered in the course formerly designated "General Scientific" may receive the degree of Bachelor of Science upon the completion of the requirements previously obtaining.

‡ A student may register in the six-year combined Academic-Law course in his senior year and elect not more than 24 hours in the College of Law as his major. (See the announcement of the College of Law.)

second year a "major" subject is chosen, the head of the department in which the major work is taken becomes the adviser of the student until the time of graduation. The dean of the college constitutes a head adviser for each student within the college. The adviser to women is a special adviser to all women students in the college.

FEES—The following fees are charged each student registering in the College of Arts and Sciences: A matriculation fee of \$5 at the time of first registration only; if a non-resident of the state of Nebraska, a tuition fee of \$15.00 each semester; an incidental fee of \$3.00 each semester; a library fee of \$1.00, or a laboratory fee varying according to course (see pages 58 and 59 for a complete list of laboratory fees). For registration later than registration week, or for re-registration, a special fee of \$3.00 is charged, and a similar fee of \$1.00 for each special examination. On graduation a diploma fee of \$5.00 is charged, to which an other fee of \$10.00 is added for a degree granted *in absentia*.

THE TEACHERS COLLEGE

MEMBERS OF THE FACULTY

SAMUEL AVERY, PH.D.

Chancellor and President of the University Senate

CHARLES FORDYCE, PH.D.

Dean of the Teachers College and Head Professor of Educational Theory
and Practice

1908, 1908 Administration Hall 104

1921 C Street

GEORGE WASHINGTON ANDREW LUCKEY, PH.D.

Head Professor of Education

1896, 1895 University Hall 209

1439 R Street

ALBERT ALISON REED, A.B.

Inspector of Accredited Schools, Professor of Secondary Education and
Associate Director of the Summer Session

1909, 1907 Administration Hall 203

2741 Randolph Street

ALBERT EUGENE DAVISSON, A.B.

Head Professor of Agricultural Education, Principal of the School of
Agriculture, and Associate Director of the Summer Session

1908, 1897 Agricultural Hall 207

1321 South Eighteenth Street

PAUL HENRY GRUMMANN, A.M.

Director of the Summer Session and Professor of Modern German
Literature

1907, 1900 University Hall 111

1930 Washington Street

*MRS. EDNA MACDOWELL BARKLEY

Adviser to Women

1909, 1905 Administration Hall 104

* Resigned.

LUCIUS ADELNO SHERMAN, PH.D.

Head Professor of the English Language and Literature, and Dean
of the Graduate College

1887, 1882

Library Hall 301

1234 J Street

GROVE ETTINGER BARBER, A.M.

Head Professor of Roman History and Literature

1906, 1882

University Hall 205

620 South Tenth Street

HOWARD WALTER CALDWELL, A.M.

Head Professor of American History

1892, 1883

University Hall 210

1919 E Street

CHARLES EDWIN BESSEY, PH.D., LL.D.

Head Professor of Botany and Head Dean of the University

1909, 1884

Nebraska Hall 104

1507 R Street

LAWRENCE BRUNER, B.Sc.

Head Professor of Entomology and Acting State Entomologist

1894, 1888

Nebraska Hall 303

2314 South Seventeenth Street

JAMES THOMAS LEES, PH.D.

Head Professor of Greek History and Literature

1891, 1889

University Hall 215

645 North Thirtieth Street

LAURENCE FOSSLER, A.M.

Head Professor of the Germanic Languages and Literatures

1894, 1889

University Hall 108

1547 South Seventeenth Street

ERWIN HINCKLEY BARBOUR, PH.D.

Head Professor of Geology, State Geologist, and Curator of the Uni-
versity Museum

1893, 1891

Museum

1234 R Street

FRED MORROW FLING, PH.D.

Head Professor of European History

1893, 1891

Library Hall 308

1304 B Street

CHARLES RUSS RICHARDS, M.E., M.M.E.

Head Professor of Mechanical Engineering and Practical Mechanics,
and Dean of the College of Engineering

1909, 1891 Mechanic Arts Hall 203½
1803 A Street

*HENRY BALDWIN WARD, PH.D.

Head Professor of Zoology and Dean of the College of Medicine

1896, 1893 Nebraska Hall 206

ELLERY WILLIAMS DAVIS, PH.D.

Head Professor of Mathematics and Dean of the College of Arts and
Sciences

1893, 1893 Mechanic Arts Hall 301½
1345 South Eighteenth Street

WILLIAM GEORGE LANGWORTHY TAYLOR, A.B., LL.B.

Head Professor of Political Economy and Commerce

1897, 1893 University Hall 101
435 North Twenty-fifth Street

PROSSER HALL FRYE, A.B.

Head Professor of Rhetoric

1909, 1896 University Hall 107
528 South Tenth Street

ARCHIBALD LOUIS HAECKER, B.Sc.A

Head Professor of Dairy Husbandry

1909, 1898 Dairy Hall
503 South Twenty-sixth Street

HOWARD REMUS SMITH, B.Sc.

Head Professor of Animal Husbandry

1903, 1901 Agricultural Hall 103
710 South Seventeenth Street

GEORGE ELLIOTT HOWARD, PH.D.

Head Professor of Political Science and Sociology

1904, 1904 University Hall 103
1910 E Street

* Resigned.

HARRY KIRKE WOLFE, PH.D.

Head Professor of Philosophy

1909, 1905

University Hall 209

1727 J Street

ROSA BOUTON, A.M.

Professor of Home Economics

1908, 1888

Home Economics Hall

University Farm

CLARA CONKLIN, A.M.

Professor of the Romance Languages and Literatures

1904, 1892

University Hall 301

1220 L Street

ALBERT LUTHER CANDY, PH.D.

Professor of Pure Mathematics

1907, 1893

Mechanic Arts Hall 304

1003 H Street

GOODWIN DELOSS SWEZEY, A.M.

Professor of Astronomy

1896, 1894

Brace Laboratory 306

2600 R Street

WILLIAM FRANCIS DANN, A.M.

Professor of the History and Criticism of the Fine Arts

1907, 1894

University Hall 202

3037 R Street

ROLLINS ADAMS EMERSON, B.Sc.

Professor of Horticulture

1905, 1899

Horticultural Hall

1205 North Thirty-third Street

CLARENCE AURELIUS SKINNER, PH.D.

Professor of Physics

1906, 1899

Brace Laboratory 206

1602 Poplar Street

MILLER MOORE FOGG, A.M.

Professor of Rhetoric

1905, 1901

University Hall 107

1630 G Street

RAYMOND GUSTAVUS CLAPP, PH.B., M.D.

Director of Athletics, and Professor of Physical Education

1902, 1902

Grant Memorial Hall

641 South Thirteenth Street

THE UNIVERSITY OF NEBRASKA

GEORGE EVERT CONDRA, Ph.D.

Professor of Geography and Economic Geology

1906, 1902 University Hall 7 or Museum
1319 Q Street

FERDINAND COURTNEY FRENCH, Ph.D.

Professor of Philosophy

1903, 1903 Library Hall 110
644 North Twenty-sixth Street

BENTON DALES, Ph.D.

Professor of Analytical Chemistry, in charge of the Department of
Chemistry1908, 1903 Chemistry Hall
2030 C Street

CLARK EDMUND PERSINGER, A.M.

Associate Professor of American History

1909, 1901 University Hall 210
1844 Harwood Street

FREDERICK AMES STUFF, A. M.

Associate Professor of the English Language and Literature

1908, 1902 Library Hall 301
430 South Twenty-eighth Street

FRANKLIN DAVIS BARKER, A.M.

Associate Professor of Zoology

1909, 1903 Nebraska Hall 302
1771 South Twenty-sixth Street

CARRIE BELLE RAYMOND

Director of Music

1908, 1894 The Temple
1414 L Street

SARA SHEWELL HAYDEN

Director of the School of Fine Arts

1909, 1899 Library Hall 305
1820 B Street

HARRIET ALICE HOWELL, A.M.

Adjunct Professor of Elocution

1905, 1900 University Hall 106
Melick Court

LAURA BELLE PFEIFER, A.M.
Adjunct Professor of European History

1906, 1903

Library Hall 308
The Orlo

ANNA MAY TIBBETS, A.M.
Principal of the Teachers College High School

1908, 1908

The Temple
1833 G Street

FELLOWS AND SCHOLARS

ANNA MAUDE LUTE, B.Sc., A.B., Fellow in Education, University
Hall 209, 1500 R Street.

BRITTANIA DAUGHTERS, A.B., Scholar in Education, University
Hall 209.

STANDING COMMITTEES OF THE FACULTY

Course of Study—Fordyce, Fossler, Fogg, Davis, Davisson, Barber,
Dales, Caldwell, Luckey.

Schedule—Fordyce, Condra, Luckey, Conklin.

Advanced Standing—Fordyce, Fling, Sherman, Howard, Lees, Frye.

Teachers Certificate—Chancellor, Bessey, Davis, Fordyce, French,
Luckey, Wolfe, Reed.

Bureau—Fordyce, Barber, Grummann, Wolfe, Reed, Skinner.

Nomination—Fordyce, Barber, Fogg, Grummann, Reed.

THE TEACHERS COLLEGE

GENERAL INFORMATION

THE UNIVERSITY—General information regarding the University as a whole, the colleges and schools of the University, and various requirements made of all students, is contained in the introductory pages of this Calendar (pages 43 to 69), and should be consulted in connection with the following information concerning this college.

THE TEACHERS COLLEGE—On February 14, 1908, the Board of Regents erected the University Department of Education into a Teachers College. This action was confirmed by an act of the state legislature in the session of 1908-1909.

AIM AND PURPOSE OF THE COLLEGE—The aim of this college is, while dealing with the history, theory and practice of teaching generally, to improve the quality of secondary teaching in particular, and to provide thoroughly prepared teachers for these schools. The Teachers College aims to provide for the following classes of students:

1. Well advanced and ambitious teachers wishing preparation for school superintendencies or professorships in colleges or normal schools. They may or may not wish the University Teachers' Certificate, may or may not care to work for advanced degrees.
2. College students intending to teach, who wish the degree of Bachelor of Arts with or without the University Teachers' Certificate. Such candidates register in this col-

lege, specializing in education; and proceed as laid down under "Requirements for Graduation." The requirements for the Certificate are found under the caption "University Teachers' Certificate," on a later page.

3. Men and women of college grade who design to teach agriculture in high or normal schools. For these a solid one year course is provided (see below), parts of which may, however, under advice, by such as so desire, be used with the more general studies toward a degree.

4. Men and women not necessarily possessing so high attainments who call for preparation to teach agriculture in grade or rural schools. Below is exhibited a year of work carefully adapted to the wants of these.

5. Persons preparing to teach special branches, such as physical or manual training, home economics, and so on. See the special one-year curricula listed below.

6. Mature teachers in any department wishing by a longer or shorter period at the University to review studies, familiarize themselves with new methods, or master new branches. Such teachers should consult the Dean. They will find a year or even a semester of properly chosen work of great value.

OTHER ACTIVITIES—The Dean of the Teachers College is ex-officio head of the Bureau on Recommendation of Teachers. The direction of the Bureau and of the Summer Session, the inspection of accredited high schools, and the editorship of the University Journal are functions of the Teachers College. This college is also charged with the study of developing the work of instruction in agricultural pedagogy made possible by the so-called "Nelson Amend-

ment" which became law at the end of the 59th Congress. The Teachers College High School and the School of Agriculture serve as model secondary schools to the Teachers College.

ADVANCED STANDING—Applicants who offer collegiate courses or professional courses from state normal schools in excess of the requirements for admission, may be assigned such advanced standing as may be determined by the credit committee; but in no case shall such credit be recognized unless it rest upon the pre-collegiate preparation afforded by a four-years course in an accredited high school.

ADULT SPECIAL STUDENTS—Persons of proper age may be permitted to register unclassified on the conditions set forth on page 50.

REGISTRATION in the Teachers College occurs on the five days from 9 a. m. Tuesday to 5 p. m. Saturday of the first week of each semester. All requirements indicated on pages 51 to 53 apply to registration in this college.

REQUIREMENTS FOR ADMISSION

ENTRANCE CREDITS—For admission to the Freshman year of the Teachers College a student must present 28 high school credits or "credit points" as explained on page 45. In 1910-1911 this requirement will be raised to 30 credits or credit points. Conditional admission is permitted on a minimum of 22 credits or "credit points" (24 in 1910-1911).

REQUIRED SUBJECTS—Of the 28 points required for admission, 17 must be presented from the following subjects in the amount indicated:

REQUIRED SUBJECTS—17 POINTS

	1909- 1910	1910- 1911
Algebra (to simultaneous quadratics), 1 year, 5 hours a week	2	3 (thru logarithms)
Rhetoric and Literature, 2 years, 5 hours a week	4	4
Geometry (plane and solid), 1½ years, 5 hours a week	3	2 (plane)
History (European), 1 year, 5 hours a week,	2	2
Language (Latin 2 years at least), 3 years, 5 hours a week	6	6

OPTIONAL SUBJECTS—11 (1909-10), 13 (1910-11) POINTS

In addition to these required subjects, for which no substitutes are accepted, applicants must present eleven points from the following optional subjects:

	1909- 1910	1910- 1911
Agriculture	1	1
Algebra (simultaneous quadratics through logarithms) ½ year, 5 hours a week	1	0
Solid Geometry, ½ year, 5 hours a week.....	0	1
Trigonometry (plane), ½ year, 5 hours a week.....	1	1
Rhetoric and Literature, 1 year, 5 hours a week.....	2	*2
French, 1 to 3 years, 5 yours a week.....	2 to 6	2 to 6
German, 1 to 3 years, 5 hours a week.....	2 to 6	2 to 6
Greek, 1 to 3 years, 5 hours a week.....	2 to 6	2 to 6
Latin, 1 or 2 years, 5 hours a week.....	2 to 4	2 to 4
History, (American or European), 1 or 2 yrs., 5 hrs. a week,	1 to 4	1 to 4
Natural Science (Botany, Zoology). 1 year, 5 hours a week,	1 or 2	1 or 2

* Four optional points are allowed only to schools named by Accredited Schools Committee.

	1909- 1910	1910- 1911
Physical Science,		
Chemistry, 1 year, 5 hours a week.....	1 or 2	1 or 2
Physics, 1 year, 5 hours a week.....	1 or 2	1 or 2
Astronomy	} Not more than three accepted.....3	} 4
Civics		
Geology		
Normal Training		
Physical Geography		
Physiology and Hygiene		
Political Economy	}	}
Bookkeeping.....		
*Senior Reviews.....		

REQUIREMENTS FOR GRADUATION

UNIVERSITY CREDITS—For the degree of Bachelor of Arts or of Bachelor of Science, 125 University “credit hours” are required. A “credit hour” is the equivalent of a course demanding one recitation or lecture hour and two preparation hours for each of the eighteen weeks of a semester. No student is recommended for a degree who is not within eighteen hours of this requirement at the beginning of his last semester.

REQUIRED SUBJECTS—Each candidate for the degree of Bachelor of Arts in the Teachers College is required to complete 6 hours of Philosophy, 4 hours of Rhetoric (courses 1 and 2), and 4 hours of military science* (men) or physical culture† (women). In addition each student is required to take six out of the following eight groups of studies which must be completed before the end of the third year. The two groups omitted must not be in the same division (A, B, or C).

* Credit granted only to graduates of Normal Training High Schools.

† See pages 54 and 55 for regulations concerning military science or physical culture.

	Hours
(1) The Mother Tongue	6
A (2) The Classics (Greek or Latin)	10
(3) Modern Language (other than English)	10
(4) History	6
B (5) Sociology and Economics	6
(6) Exact Science (Astronomy, Mathematics)	10
C (7) Physical Science (Chemistry or Physics)	6
(8) Biology (Botany or Zoology)	6

The remaining 77, 73, or 69 hours necessary to the total of 125 hours required for the bachelor's degree are open to free election. The plan, more briefly, contemplates:

	Hours
I. Absolute requirements	8
II. Required electives	40, 44, or 48
III. Free electives	77, 73, or 69

Students in this college who shall have taken their major in a scientific department and have completed in all sixty hours in mathematics and natural science in addition to military science or physical culture—4 hours—and Rhetoric 1, 2—4 hours—of the 125 hours required for graduation may receive the degree of Bachelor of Science.*

EDUCATION, AND MAJOR OR MINOR SUBJECTS—In addition to or including the above the student in the Teachers College is required to complete at least 15 hours in education, and 40 hours divided between two major subjects or one major and two minor subjects. No major subject shall be less than 16 hours and no minor subject shall be less than

* Students registered in the course formerly designated "General Scientific" may receive the degree of Bachelor of Science upon the completion of the requirements previously obtaining.

12 hours. The subjects selected under this head should be closely allied.

As a rule, professional work shall not be taken before the Junior year.

RESIDENT WORK—At least one year's resident work is required of all candidates for graduation from the Teachers College.

GRADUATE WORK

GENERAL REQUIREMENTS—Candidates for advanced degrees in the Teachers College are presumed to have completed the professional requirements leading to the University Teachers' Certificate. Proficiency in one or more academic subjects taught in the high schools is also required.

REQUIREMENTS FOR MASTER OF ARTS—For second minor—four hours of class room work for one year. For first minor—six hours of class room work for one year, with assigned readings equivalent to a two-hour course. For a major—at least six hours of class room work for one year, assigned readings, and a thesis representing the equivalent of a six-hour course for one year. The major for the master's degree may be taken as a minor for the doctorate. The number of hours required for major and minor, as given above, is only approximate, and cannot be relied upon unless the quality of the work is of high order.

THE UNIVERSITY TEACHERS' CERTIFICATE

ELIGIBILITY—The University Teachers' Certificate is granted Teachers College graduates of high standing who

have satisfactorily completed the work outlined below, maintained a class average of at least eighty per cent in their undergraduate studies and shown special fitness for teaching.

The professional work required for the Teachers' Certificate may be elected by regular students above sophomore standing, by experienced teachers and by unclassified students who satisfy the heads of the departments that they are qualified to pursue the work.

NEBRASKA CERTIFICATION LAW. The laws of the state of Nebraska governing these certificates read as follows:

"That all graduates of the University of Nebraska holding the degree of bachelor of arts or bachelor of science, and in addition thereto, certificates authorized by the board of regents showing that such graduates have completed the course of instruction prescribed by the regents and faculty of said university, for the special training and instruction of teachers, and such other graduates as hold the same degrees from any college or university duly incorporated under the laws of the state of Nebraska, who, in the judgment of the state superintendent of public instruction, have completed in their respective institutions an equivalent of the courses in the state university, for said degrees prescribed by the regents and faculty of said university, shall be accredited as qualified teachers within the meaning of the school law of this state; and all such graduates shall have equal privileges, upon equal conditions, with graduates from any and all other educational institutions within this state under the school law thereof. Said certificates are hereby declared to be valid as certificates of the first grade to teach in the public schools of the state of Nebraska for a period of three years from their date" (Sec. 1a, subd. IX, S. L. 1905).

"After three years of actual teaching, the certificates of the graduates of the University of Nebraska, or of any other college or university mentioned or described in section 1a of this act, shall be counter-signed by the state superintendent of public instruction upon satisfactory evidence that the services of the applicant have been successful; Provided, that said counter-signature may be cancelled and its legal effect annulled

by the superintendent of public instruction upon satisfactory evidence of disqualification; Provided, further, that such certificates shall be subject to the provisions for lapsing set forth in Section 4, Subdivision 9, of Chapter 79 of the Compiled Statutes of Nebraska for the year 1899'' (Sec. 1b, subd. IX, S. L. 1905).

SPECIAL REQUIREMENTS—(1) The candidate must hold the bachelor's or the master's degree from this University. (2) The completion of non-professional work amounting to at least 40 hours divided between two major subjects or one major and two minor subjects which the student expects to teach, the ultimate decision as to the student's proficiency resting with the departments concerned. No major subject shall be less than 16 hours and no minor subject shall be less than 12 hours. For the requirements of the several departments, see "Courses of Instruction." (3) Professional Knowledge—The completion of 15 hours in Education, 3 hours in Psychology, and 3 hours in either general Philosophy, Logic or Ethics or Psychology. Among the 15 hours of Education required, the student may elect a two-hour course in special methods in his major subject; such course must, however, meet the approval of the head professor of Educational Theory and Practice.

CERTIFICATION COMMITTEE—All general questions relating to the student's work for the Teachers' Certificate are under the supervision of the Teachers' Certificate Committee as named in the standing committees of the Teachers College. Recommendations for the Certificate are made to the Faculty of the Teachers College through this committee.

BUREAU ON RECOMMENDATION OF TEACHERS—The Uni-

versity maintains a bureau under the direction of a committee, to assist students and graduates in securing positions as teachers and at the same time to aid superintendents and boards of education in providing schools with competent and suitable teaching talent. For information address the Secretary of the Bureau on Recommendation of Teachers.

DEPARTMENTAL REQUIREMENTS for recommendation for the Teachers' Certificate:

Astronomy—Major—Courses 5, 6, 7, 8, 15, 16; Minor—Courses 4, 4a, 5, 6, 7, 8.

Botany—Major, 20 hours—Courses 1, 2, 3, 4, 13, 14, 33; Major, 16 hours—Courses 1, 2, 3, 4, 33; Minor, 12 hours—Courses 1, 2, 3, 4, or courses 1, 2, 13, 14, 33.

Chemistry—Major, 20 hours—Courses A, B, 1, 2, 3, 4, 26, or 44, 29; Major, 16 hours—Courses for 20-hour major may, on consultation with the head of the department, be reduced to 16 or 17 hours; Minor—Shall consist of 12 or 13 hours chosen after similar consultation.

Education—All students who desire to receive the University Teachers' Certificate are advised to consult with the Dean not later than the beginning of their Junior year regarding the proper grouping and correlation of their studies. The required courses in education for the Teachers' Certificate (see first four departments in the Teachers College), are 1, 2, 4 or 14, and either 19, 20, 21 or 22; also such additional work from the other courses in Education as is necessary to complete the 15 hours requirement. Among the latter requirements the student may substitute a two-hour special methods course in the department of his major subject on approval of the Dean.

English Language and Literature—Candidates for the Teachers' Certificate in this department must have completed acceptably courses 1, 2, 11, 12, 17, 18.

Geography—Students preparing to teach Geography in the grades, or in the high school, should consult with the head of the department concerning the choice and sequence of courses, and make the elections preferably by the beginning of the Sophomore year. The elections for majors and minors will vary with the individual needs of students. A student taking a major or a minor in geography is advised to elect at least two courses in related sciences—botany, zoology, chemistry, physics. The following, subject to modification, is the requirement for a major in Geography: Courses 1 (Physical Geography), 2 (Geography of North America), 4 (The Atmosphere), 5 (Industrial Geography), 6 (Economic Geography), 7 and 8 (Laboratory), 9 and 10 (Field), 3 (Theory and Practice). Men may substitute Field Geology 21 and 22 for 9 and 10, and Economic Geology 25 and 28 for 5 and 6. Requirements for a Minor: Courses 1, 2, 4, 5, 6, 7, and 9, or their equivalent.

German—Major—Courses 1 to 8, inclusive, and 12 and 19; Minor—Courses 1 to 8, inclusive.

Greek History and Literature—Courses 1 to 10, inclusive, or their equivalent. One or two years of the Greek language will be found very helpful and almost essential to a thorough mastery of the Latin language.

American History—Major, 16 to 24 hours—Courses 1 to 4, inclusive, 12, and two to ten hours elective; Minor, 12 hours—Courses 1 to 4, inclusive. For combination with other subjects see "American History" under "Courses of Study."

European History—Those who are preparing to teach History in the high school or in the college should take from three to five hours of work each semester. The work in European history should be continued through the four years and at least two years given to American history. In European history, courses 1 and 2 should be taken the first year; courses 3 and 4 with 7 and 8, or 17 and 18, or 19 and 20, making five hours each semester the second year, and 17 and 18, or 19 and 20, with a seminary, the third year. This is the minimum requirement for the University Teachers' Certificate. The languages needed in the advanced work should be taken up in the first and second years. Students are advised

to consult with the head of the department (during registration week) concerning their work.

Home Economics—Major—Courses 1 to 6 inclusive, 13, 14; Minor—Courses 1, 2, 11, 12, 13, 14.

Mathematics—Major, 20 hours—Courses 1, 2, 3, 4, and if possible 13; Major, 17 hours—Courses 1, 2, 3, 13; Minor, 17 hours—As for 17-hour major; Minor, 12 hours—Courses 1, 2, 13. It is very desirable that prospective teachers of Mathematics should add all or part of courses 5, 6, 11. They will thus get ideas that will vivify their teaching. It is also desirable that Physics should accompany Mathematics even if to do so the amount of Mathematics taken be diminished.

Philosophy—Those who wish to secure the University Teachers' Certificate must take 3 hours in general psychology, and 3 hours from either general philosophy, logic, ethics, or psychology. (See Requirements for Graduation for this college.)

Physics—Major, 16 hours—Courses 1a, 1b, 2a, 2b, 3a, 3b, 4a, 4b, 15, 16; Minor, 12 hours—Courses 1a, 1b, 2a, 2b, 3a, 3b, 4a, 4b.

Political Economy and Commerce—Major—Courses 15a, 15b, 16a, 16b, 5, 6a, 6b, 1, 2, 3.

Political Science and Sociology—When a student can take but 16 or 17 hours for a major and but 12 or 13 hours for a minor in this department, the following courses are suggested: Major—Courses 1, 2, 21, 22, 15, 16, 31; Minor—Courses 1, 2, 21, 22, 15, 53. Other courses may perhaps be more valuable for particular students. Individual conferences are suggested.

Rhetoric—Major, 16 hours—Courses 1, 2 (Rhetoric and English Composition), 7, 8 (English Composition), 13, 14 (Argumentation). Minor, 12 hours—Courses 1, 2, 7, 8 (two hours), 13. Persons intending to be candidates for the certificate should so advise the department and arrange their courses by the beginning of Junior year.

Roman History and Literature—Major—Courses 1 to 8 inclusive. Equivalent work may, on consultation with the head of the department, be substituted for courses 5 and 6. The above courses must be preceded by the four-year high school preparation, including composition (one period a week for two years) and a

thorough drill in the grammar. Students found to be defective in preparation may be required to take, in addition to the above, course F.

Romance Languages and Literatures—Major—Courses 1 to 12, inclusive, 27, 28; Minor—Courses 1 to 12 inclusive.

Zoology—Major—Courses 1, 2, 5, 8, 10, 26, 30; Minor—Courses 1, 2, 5, 10.

THE TEACHERS COLLEGE HIGH SCHOOL.

The Teachers College experimental school, located in the new Temple Building, is a distinctive feature of the University Teachers College. Besides seven large, attractive class rooms and a commodious assembly hall, there are cloak and toilet rooms and ample library and laboratory equipments for a modern school. Here a limited number of youth of high school rank are under the direction and tuition of the head professor of Educational Theory and Practice, a skilful supervisor, and assistant instructors. The institution serves first as a model secondary school for instruction according to the most advanced methods, and secondly as a place for the study of practical problems in teaching and school administration. Seniors in the Teachers College are required to observe the conduct of the model school and to make a critical study of its educational aims, values and processes, the results of which are summarized and discussed in the special methods classes. When the student has become familiar with the pedagogical work of the class observed he is required to select material and organize subject matter in lessons and assist in instruction; but in no case is a student teacher permitted to instruct in a subject that has not been made by him a major subject in

University work. Results in the Teachers College High School are supplemented by visitation and a study of the methods and administration of the city schools of Lincoln. A tuition fee of \$12.50 a semester is charged each pupil in the High School.

THE SUMMER SESSION

THE SUMMER SESSION of six weeks is intended to meet the wants of teachers and others who wish to pursue helpful studies but cannot attend the University during its regular sessions.

Healthy and brilliant students able to carry eighteen hours a week for three years, during regular sessions may become candidates for the bachelor's degree by attending additional summer sessions.

Permission is granted to students to pursue summer work abroad under the following provisions:

(1) That students desiring credit be required to register in the summer session and submit detailed plans of their work with their applications for registration.

(2) That no student be granted more than six hours credit for such work.

(3) That no credit be given for such work except upon the examination of the student by a committee of three members of the University faculty, this committee to be appointed by the chancellor of the University.

GRADUATE WORK

By concession, approved students may be accounted to have fulfilled the requirements of residence for the degree

of Master of Arts on completion of eighteen hours of work registered for in summer sessions of the University.

TEACHERS' CERTIFICATE IN PHYSICAL EDUCATION

The University Certificate in Physical Education is granted to graduates of the University who have satisfied all the special requirements given below and whose work in general, special and professional subjects has been of a high order. Graduates from other universities and from colleges of high rank may receive this certificate upon the same terms as graduates of this institution. Students not graduates of this University or of institutions of equal rank, who complete this course, receive statements to that effect and also credit for their work toward a degree. Requirements: Rhetoric 1 and 2; Chemistry 1 and 2; Zoology 1, 2, 8a, 15 and 16; Physiology 1 and 2; Philosophy 1 and 8; Physical Education 1, 2, 3, 4, 6, 7, 8, 10, 11, 12, 17, 18, 19 and 20. For men: 5, 13, 14, 15, 16, 31 and 32. For women: 21, 22, 3, 4, 5, 6, 33 and 34.

COURSES OF INSTRUCTION

GENERAL COURSES—The courses of instruction in the Teachers College run parallel in the main with those of the College of Arts and Sciences, although the curriculum may include groups from the other colleges according to the election of the candidate. The aim is to give the student a liberal academic training before he begins his technical studies. In general the courses are broadly educational rather than narrowly so. The exceptions are the subjects purposely pursued with intensive aim.

ADVISERS—The Dean of the college is the general adviser for students in this college. The board of advisers in this college consists of the Dean and members of the faculty. The general system accords with the plan obtaining in the College of Arts and Sciences. See page 102. All candidates for degrees and for the University Teachers' Certificate consult the Dean before registering, that the grouping and correlation of their studies may be properly fixed. Special information concerning majors and minors in which the candidate wishes to specialize may be obtained from the heads of the departments concerned.

SPECIAL COURSES—The more systematic work of the Teachers College falls under the following five departments:

I. EDUCATION

HEAD PROFESSOR LUCKEY, MISS LUTE

These courses are intended primarily for Juniors, Seniors and graduates, but are open to other students qualified to pursue them with profit. The undergraduate courses are arranged in sequence and are most helpful when pursued in the order given. Students are advised to confer with the head of the department before registering.

1. **History of Education**—Ancient and mediæval, beginning with the earliest periods and extending to the time of Pestalozzi. A study of the physical, moral and intellectual development of mankind, including man's efforts to realize his ideals through systems of education. Three hours attendance. Three hours credit. First semester.

HEAD PROFESSOR LUCKEY, MISS LUTE

2. **History of Modern Education**—From the time of Pestalozzi to the present, including the beginning, growth and present condition of education in America. Three hours attendance. Three hours credit.

HEAD PROFESSOR LUCKEY, MISS LUTE

3. **Educational Classics**—An historical and critical study of the educational writings of Rousseau, Pestalozzi, Herbart, Froebel, and Spencer; a valuable preparation for course 4. Rousseau's *Emile*,

Pestalozzi's *Leonard and Gertrude*, and Froebel's *Education of Man* are the subjects for 1909-1910. Three hours attendance. Three hours credit. First semester.

HEAD PROFESSOR LUCKEY

4. **Child Study**—The physiology and psychology of childhood, with special reference to the pedagogical principles involved; the literature and investigations of special value to the teacher; the more important methods used in child study; the effect of child study on methods of instruction, school management and other subjects of practical pedagogy. This course covers the development of the child for the first twelve years. It is a valuable foundation for the course 5 in adolescence. Three hours attendance. Three hours credit.

HEAD PROFESSOR LUCKEY

5. **Systems of Education**—Their origin and development, including a comparative study of the leading systems of education in Europe and America. Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR LUCKEY

6. **School Hygiene**—A seminary course devoted to the study of school environments and curricula in reference to their effect upon the health, growth and development of school children, including the location and sanitation of school buildings—light, heat, ventilation, furniture; medical inspection, school diseases, baths, and lunches; sleep, food, clothing, exercise, study, fatigue, recreation, and health of teacher and pupils. Two hours attendance. Two hours credit. Second semester.

HEAD PROFESSOR LUCKEY

7. **Graduate Seminary**—A study of current educational literature as found in the best periodicals; and a study of one or more educational problems of special interest to the teachers of Nebraska. Students will be directed in the preparation of theses that will lead to higher degrees in education. Open to seniors, and graduates who are working for higher degrees in education. One hour credit. First semester.

HEAD PROFESSOR LUCKEY

8. **Graduate Seminary**—7 continued. Second semester.

9. **Adolescence**—The health, growth, mental and moral development of youth as related to the various problems of secondary education, such as attendance, interest, habits of study, discipline, school spirit, ideals, character. An advanced course in child

study especially adapted to secondary teachers, principals and superintendents. Prerequisite: Courses 1, 2, and 4. One hour attendance. One hour credit. First semester.

HEAD PROFESSOR LUCKEY

10. **Adolescence**—9 continued. Second semester.

II. EDUCATIONAL PSYCHOLOGY

IN CHARGE OF HEAD PROFESSOR WOLFE

The subjects in this and the preceding department are very closely related and should be studied together.

14. **Educational Psychology**—A practical study of the factors which influence the development of body and mind. Open to teachers and also to students in the last two years of their course who have had a semester of psychology. Two hours attendance. Two hours credit. Second semester.

HEAD PROFESSOR WOLFE

15. **The High School**—Evolution of secondary education, showing when the different studies of the curriculum, methods of teaching, and ideals came in, and their meaning and their adaptation to the life of the times. Discussion of current high school problems in the light of this historical study and the study of adolescence. Special reference to public and private secondary schools in Nebraska. For those who wish to devote themselves especially to high school work or superintendence. One or two hours attendance. One or two hours credit. First semester.

HEAD PROFESSOR WOLFE

16. **The High School**—15 continued with more particular attention to the American high school. One or two hours attendance. One or two hours credit. Second semester. May be taken by qualified students without having taken 15.

HEAD PROFESSOR WOLFE

17. **Philosophy of Education**—The principles underlying all education and their influence in determining the material curricula in schools of instruction. Lectures, discussions, and private readings. Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR WOLFE

18. **Philosophy of Education**—17 continued. Second semester.

III. EDUCATIONAL THEORY AND PRACTICE

HEAD PROFESSOR FORDYCE, ASSOCIATE PROFESSOR STUFF, MISS TIBBETS
AND MR. WATSON.

The courses in this department are intended to offer the essential complement in practice to the theoretical courses in education; the intending teacher is introduced to the actual problems of the classroom through a study of the educational aims, values, and processes found in the practice school. When familiar with the conduct of this school, the candidate is required to select suitable material and organize it into a series of lessons and engage in actual instruction until his theories of education have settled into a system of rational practice.

19. Educational Theory and Practice in the Elementary School—

The development and formulation of the principles of method as gained through lectures, assigned readings, and the study and discussion of the teaching process as observed in elementary schools; the preparation of lesson plans and practice in teaching. Two hours credit. First semester. HEAD PROFESSOR FORDYCE

20. Educational Theory and Practice in the Elementary School—

19 repeated. Second semester. HEAD PROFESSOR FORDYCE

21. Educational Theory and Practice in the Secondary School—

Lectures and assigned readings on the principles and technique of high-school instruction. The practical work consists of a critical study of the aims and methods exemplified in the Teachers College High School and in the Lincoln city schools. During the semester each student is required to prepare a series of lessons and to engage in actual teaching in the experimental school, the time devoted to observation and practice being determined by the skill demonstrated. Two hours credit. First semester.

HEAD PROFESSOR FORDYCE

22. Educational Theory and Practice in the Secondary School—

21 repeated. Second semester. HEAD PROFESSOR FORDYCE

23. Practicum in the Methods of Educational Organization and Administration—

This course is planned especially for superintendents and principals. It deals with the problems of organization and administration of public schools as viewed in the light of prevailing systems in Germany, France, England, and America. Among the topics considered are national and state control of

education; the county, township, city and rural system; school building; play ground; the school as a social center; inter-relation of school boards, superintendents, principals, and teachers; supervision of instruction—the teaching staff, improvement of teacher in service; administration of secondary and elementary schools; education for defective and subnormal children; discipline, government, courses of study, grading and promotion. Number of hours credit depends upon work done. First semester.

HEAD PROFESSOR FORDYCE

24. Practicum in the Methods of Educational Organization and Administration—23 continued. Second semester.

HEAD PROFESSOR FORDYCE

25. School Management—An elementary course in the organization and management of elementary schools. For the accommodation of first and second-year students who desire to teach the following year. This course is not accepted as part of the requirement for the University Teachers' Certificate, though college credit is given. One hour attendance. One hour credit. First semester.

HEAD PROFESSOR FORDYCE

26. School Management—25 continued. Second semester.

HEAD PROFESSOR FORDYCE

27. Practice Course in Teaching the English Language and Literature—Students in this course get actual teaching experience. The pedagogy of each topic and exercise is developed and the working principle elucidated. Written reports of the pupils taught are graded and filed for comparative study and discussion in the Teachers' course in English Language and Literature. All student teaching is done under thorough supervision. The student teacher prepares for each teaching exercise under the personal direction of the instructor. Helpful criticism is given in discussions and conferences. Prerequisites: English Language and Literature 1, 2, 11, 12, 17, 29. Two hours credit. First semester.

ASSOCIATE PROFESSOR STUFF

28. Practice Course in Teaching the English Language and Literature—27 continued. Second semester.

ASSOCIATE PROFESSOR STUFF

IV. SECONDARY EDUCATION

PROFESSOR REED

29. **The Secondary School**—A general course on the problems of the secondary school; its organization and equipment; relation of teacher to pupil, to principal, to board of education, to community, and to the profession; the program of studies; a balanced curriculum; questions of class organization; the library; the laboratory. Lectures, discussions, readings, and reports. Open to Seniors and graduates. One hour attendance. One hour credit. First semester. PROFESSOR REED

30. **The Accredited School**—Systems of admission to higher institutions. College entrance requirements. Accredited relations: theory; basis; effect on programs of studies, courses of study, and curricula. Inspection: theory, history, and methods. The secondary schools: organization; standard of excellence; tests of progress; teacher; equipment library, and laboratories. For superintendents, principals, and high-school teachers. One hour attendance. One hour credit. Second semester. PROFESSOR REED

V. AGRICULTURAL EDUCATION

HEAD PROFESSOR DAVISSON

Agricultural Pedagogy—The subject matter which characterizes the various subjects for instruction in agriculture is given careful consideration, the first purpose being to give the student, even though he has not taken all the subjects known as agricultural, a general concept of what agricultural education means. Each subject is then taken up and discussed with the view of determining its educative value. In this portion of the state the student must become familiar with the elementary terms used in educational psychology. The best methods of imparting instruction in agricultural subjects to rural and to high school students are then considered. The knowledge which should precede the study of every agricultural subject is carefully discussed, for too often attempts are made by teachers in rural schools to give agricultural instruction without having built a proper foundation. The time which should be devoted to agriculture in the rural schools and in the high school and what materials can best

be used for instruction are discussed, and an attempt is made to formulate a rational system of instruction which will, with the ordinary scientific subjects of the high school, constitute an organic whole. Senior year. First semester. Two hours attendance. Two hours credit.

SPECIAL ONE-YEAR TEACHERS COURSES IN TECHNICAL SUBJECTS

One-Year Teachers' Course in Agriculture, for high school and normal school teachers. Given on the campus. College work with laboratory practice. This course in Agriculture and closely related subjects, taking up a solid year of study, is intended for high or normal school teachers and others preparing to become such, who, for any reason, find it impossible to take the course for the degree of Bachelor of Science in Agriculture, which lays a more ample foundation. This one-year course consists of college work and presupposes attainments sufficient to place the applicant in a first college year. Competent teachers passing in this course will be prepared to teach agriculture in any high or normal school or academy.

FIRST SEMESTER

Teachers' Course in Agriculture..... 5 hours

1. Agronomy, 7 weeks, 5 hours a week.
2. Horticulture, 7 weeks, 5 hours a week.
3. Dairying, 7 weeks, 5 hours a week.
4. Anatomy and Physiology, 7 weeks, 5 hours a week.
5. Animal Husbandry, 7 weeks, 5 hours a week.

Botany 3 hours

Chemistry or Physics..... 3 hours

Entomology 2 hours

Forestry 2 hours

Agricultural Geology 2 hours

Manual Training 5 hours (practice only)

SECOND SEMESTER

Teachers' Course in Agriculture 5 hours

1. Agronomy, 7 weeks, 5 hours a week.
2. Horticulture, 7 weeks, 5 hours a week.
3. Dairying, 7 weeks, 5 hours a week.

4. Anatomy and Physiology, 7 weeks, 5 hours a week.

5. Animal Husbandry, 7 weeks, 5 hours a week.

Botany	3 hours
Chemistry and Physics	3 hours
Agricultural Economics	4 hours
History of Zoology	2 hours
Manual Training	5 hours (practice only)

One-Year Teachers' Course in Agriculture, for grade and rural teachers. Given at the University Farm. Begins November 1, 1909, ends April 22, 1910. Applicants must have passed or be able to pass in the subjects required for a second grade certificate except agriculture and natural study.

FIRST TERM

	Class Hours Hours a Week	Practice Periods Hours a Week
Animal Husbandry	2	1
Horticulture	3	1
Crops	3	1
Soils	2	1
Dairying	2	1
Plant Pathology	1	
Home Economics	2	2
History and Economics	2	
Anatomy and Physiology of Farm Animals	2	
Manual Training		2

SECOND TERM

Animal Husbandry	2	1
Horticulture	3	1
Crops	3	1
Soils	2	1
Dairying	2	1
Plant Pathology	1	
Home Economics	2	2
History and Economics	2	
Manual Training		2
Sanitation of Farm Buildings.....	2	

One-Year Teachers' Course in Home Economics and Manual Training—Especially for women preparing to teach these subjects in colleges. Applicants should possess attainments suitable to warrant admission to college standing.

FIRST SEMESTER

	Hours Credit
Home Economics *1 and 2, M., T., W., Th., 8-12.....	6
Home Economics 3 and 4, M., T., W., Th., 1-5.....	6
Home Economics 9, Friday, 1-5	3
Home Economics 11, Friday, 8-12	2
Manual Training, Saturday morning, 4 hours.....	1

SECOND SEMESTER

Home Economics 7 and 8, M., T., W., Th., 8-12.....	6
Home Economics 5 and 6, M., T., W., Th., 1-5.....	6
Home Economics 10, Friday, 1-5	3
Home Economics 14, Friday, 8-12	2
Manual Training, Saturday morning, 4 hours.....	1

One-Year Teachers' Course in Home Economics and Manual Training for women desiring to teach these subjects in high schools. Applicants should possess attainments suitable for admission to college standing. Competent students who pass in the course will be qualified to teach the subjects in any high school.

	First Semester Hours	Second Semester Hours
Home Economics 1 and 2 (Sewing, Designing, Home Decoration)	3	3
Home Economics 9 and 10 (Household Sanita- tion, Management)	3	3
Home Economics 11 and 12 (General Cookery), Home Economics 13 and 14 (Teachers' Course with practice work in teaching).....	3	3
Manual Training	3	3
Physical Education (practice)	1	1
Physical Education (theory)	1	1

* These numbers are those of the courses named as listed in the University Calendar, Department of Home Economics, where each of the courses is briefly described.

One-Year Teachers' Course in Manual Training—

1. MECHANICAL ENGINEERING—Bench work in wood and wood-turning. Eight hours laboratory. One hour lecture. Three hours credit. ADJUNCT PROFESSOR BUNTING
2. MECHANICAL ENGINEERING—1 continued. Pattern-making and foundry work. For men only. ADJUNCT PROFESSOR BUNTING, MR. PEARSON
3. MECHANICAL ENGINEERING—Forge work in iron and steel. Eight hours laboratory. One hour lecture. Three hours credit. For men only. MR. PEARSON
4. MECHANICAL ENGINEERING—Bench work in metals. Six hours laboratory. Two hours credit. For men only. MR. PAYNE
9. APPLIED MECHANICS—Mechanical drawing. Six hours drawing. Two hours credit. ADJUNCT PROFESSOR RASMUSEN
10. APPLIED MECHANICS—9 continued. ADJUNCT PROFESSOR RASMUSEN
24. APPLIED MECHANICS—Free-hand drawing. Three hours drawing. One hour credit. ADJUNCT PROFESSOR HAYDEN

One-Year Teachers' Course in Physical Training—

3. ANTHROPOMETRY—Laws of human proportion, value of measurements. The average mean type and ideal. Practice in recording measurements and making charts. Two hours attendance. Two hours credit. ADJUNCT PROFESSOR TOWNE
5. GENERAL ATHLETIC TRAINING (for men)—Theory of athletic training. Diet, sleep, bathing, rubbing. One hour attendance. One hour credit. PROFESSOR CLAPP
6. EMERGENCIES—Recitation and demonstration. One hour attendance, with assigned readings. One hour credit. ADJUNCT PROFESSOR TOWNE
10. ORTHOPEDIC GYMNASTICS AND PRESCRIPTION OF EXERCISE—Corrective gymnastics as applied to all abnormal conditions. Two hours attendance. Two hours credit. ADJUNCT PROFESSOR TOWNE
17. METHODS OF TEACHING GYMNASTICS—Two hours attendance. Two hours credit. ADJUNCT PROFESSOR TOWNE

18. METHODS OF TEACHING GYMNASICS—17 continued.

ADJUNCT PROFESSOR TOWNE

19. TRACK ATHLETICS—Theory and practice. Technique of track and field athletics. Systematic preparation for indoor and outdoor athletic events. One hour theory, with outside readings, and one hour practice. One hour credit.

PROFESSOR CLAPP

20. TRACK ATHLETICS—19 continued. Second semester.

PROFESSOR CLAPP

35. HYGIENE—A general study of all phases of personal and public hygiene and sanitation. Two hours attendance, with outside readings. Two hours credit. PROFESSOR CLAPP

36. HYGIENE—35 continued. Second semester.

PROFESSOR CLAPP

21. LIGHT GYMNASICS FOR WOMEN—Instruction in walking and standing positions. Military drill, setting-up exercises, Swedish gymnastics, and gymnastic games. Four one-half hour periods. One hour credit.

MISS GITTINGS

22. LIGHT GYMNASICS FOR WOMEN—21 continued. Second semester.

MISS GITTINGS

25. GYMNASICS AND ATHLETICS FOR WOMEN—Advanced work on horse, parallel bars, vaulting bar, ladders, flying and traveling rings and buck. Instruction in running and hurdling, the high and broad jumps, and shot-put. Four one-half hours attendance. One hour credit.

MISS GITTINGS

26. GYMNASICS AND ATHLETICS FOR WOMEN—25 continued. Foil fencing and Swedish Folk dances. Four one-half hours attendance. One hour credit.

MISS GITTINGS.

13. FLOOR GYMNASICS FOR MEN—Light gymnastics: Body building, free hand work and wands. Heavy gymnastics: Elementary exercises on parallel bars, side and long horse, buck, vaulting and hurdle bars, and tumbling. Simple gymnastic games and contests. Boxing or wrestling. Three hours attendance. One hour credit.

PROFESSOR CLAPP OR ASSISTANT

14. FLOOR GYMNASICS FOR MEN—13 continued. Light gymnastics: Indian clubs, dumb-bells and bar bells. Heavy Gym-

nastics: More advanced work in all of the heavy gymnastic apparatus. Gymnastic and athletic games and contests. Wrestling or boxing. Three hours attendance. One hour credit.

PROFESSOR CLAPP OR ASSISTANT

15. FLOOR GYMNASTICS FOR MEN—Advanced course. Advanced light and heavy gymnastics, fencing. Three hours attendance. One hour credit.

PROFESSOR CLAPP

16. FLOOR GYMNASTICS FOR MEN—15 continued. Second semester.

PROFESSOR CLAPP

One Year Teachers' Course in Drawing and Modeling—For those wishing to qualify for Supervisorship in Drawing.

1. ELEMENTARY—Drawing from still life and geometric objects in outline and shade. Elements of perspective.

ADJUNCT PROFESSOR HAYDEN

2. INTERMEDIATE—Constructive drawing and the use of patterns. Elements of pictorial composition illustrated by arrangements of still life and landscape in line, light and dark and color. Theory and practice of design with application to textiles, block printing, stencilling, etc.

ADJUNCT PROFESSOR HAYDEN

3. ANTIQUE—Heads and figures from casts in outline and light and shade. Still life in water color.

ADJUNCT PROFESSOR HAYDEN

4. SKETCHING FROM LIFE—Advanced work in design and composition, including color.

ADJUNCT PROFESSOR HAYDEN

One Year Teachers' Course in Oral Reading, Public Speaking, and Dramatic Interpretation—These courses are required for the University Teachers' Certificate.

43. TEACHERS' COURSE—Special course for teachers in city schools and for students in the Teachers College. Its object is to strengthen the teaching of reading by establishing the habit of thoughtful reading. Analysis of selections from the best literature and the application of principles of interpretation to classroom and platform work. Special attention to articulation, pronunciation, and voice-development. Model classes; individual criticism. Discussion of programs and of supplementary literature for classroom

use. Two hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR HOWELL

44. TEACHERS' COURSE—43 continued. Second semester.

ADJUNCT PROFESSOR HOWELL

37. DRAMATIC INTERPRETATION—Advanced study of voice culture, impersonation, pantomime, and gesture. Interpretation of various kinds of dramatic discourse—prose and poetry. Critical study of Shakespearean plays—*Macbeth*, *The Merchant of Venice*. Analysis of plot, character, and incidents. Dramatic presentation of principal scenes before the class. Prerequisite: Courses 35, 36. Three hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR HOWELL

38. DRAMATIC INTERPRETATION—37 continued. Second semester.

ADJUNCT PROFESSOR HOWELL

- [37a. DRAMATIC INTERPRETATION—Critical study of *Hamlet*, *As You Like It*, *The Rivals*, and some modern play. Prerequisite: Courses 43, 44. Three hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR HOWELL]

Not given in 1909-1910. Alternates with Courses 37, 38.

- [38b. DRAMATIC INTERPRETATION—37a continued. Second semester.]

39. READING AND INTERPRETATION (ADVANCED COURSE)—Study of the oral interpretation of masterpieces of literature. Lectures on vocal technique. Each member of the class is required to interpret various kinds of selections for a program—one strongly dramatic, narrative selection, one humorous, and one scene from the classic or modern drama—which material is chosen to give the strongest possible development and also to serve as a usable repertoire. Criticism of the delivery of after-dinner and other forms of extemporaneous address. Monthly reports on books of reference. Each student gives a lecture on the technique of voice culture, on gesture, and on the methods of teaching reading and their application to grade, high-school,

and college work. Admission by consent of instructor. Public recitals. Two hours attendance. Two hours credit. First semester.

40. READING AND INTERPRETATION (ADVANCED COURSE)—39 continued. Second semester.

DEPARTMENTAL SPECIAL TEACHERS' METHOD COURSES IN THE COLLEGE OF ARTS AND SCIENCES

For the conditions under which courses or groups of courses in the College of Arts and Sciences may be used towards the attainment of the Teachers' Certificate, consult carefully the paragraphs at the heads of departmental statements under "Courses of Instruction" in the College of Arts and Sciences, and information under "Teachers' Certificate" in the Teachers College. Candidates for degrees in the Teachers College do most of their work the first two years in the College of Arts and Sciences. Even after they begin to specialize they may utilize many courses in these colleges specially pedagogical in the matter or in method or in both. Most of these are available as minors; a few as majors. Consult the Dean or heads of departments. Un-classed students in the Teachers College may make free use of these courses. Below is a list of these teachers' courses, in which academic subject matter and methods are adapted to the needs of intending teachers:

- [**Botany 3.**—METHODS OF TEACHING BOTANY. Open only to those who have had courses 1 and 2 and at least four hours more of advanced Botany. Intended to help teachers in the grades, the high schools, and the colleges. Two lectures. Four hours laboratory. Two hours credit. First semester. PROFESSOR BESSEY]

Not given in 1909-1910.

Chemistry 29—METHODS OF TEACHING CHEMISTRY, including a review of the subject-matter to be taught in the high school. Prerequisites: Courses 1, 2, 3, 4. Two hours attendance. Two hours credit. First semester. PROFESSOR DALES

English Language and Literature—30a. TEACHERS' COURSE IN THE ENGLISH LANGUAGE AND LITERATURE—A practicable study of the synthetic, interpretative, and technical phases of presenting this subject in all primary and secondary grades. Special attention given to outlining of courses, development of material, selection of books for school libraries and home readings. Experience in the preparation and presentation of topics and lessons will be gained in the Practice Course in Teaching the English Language and Literature (See Educational Theory and Practice). Lectures, written reports, observation reports, criticism, library readings. Prerequisites: courses 1, 2, 11, 12. Two hours attendance. Two hours credit. First semester. ASSOCIATE PROFESSOR STUFF

30b. TEACHERS' COURSE—30a continued. Prerequisite: Courses 1, 2, 11, 12, 17, 30a. Two hours attendance. Two hours credit. Second semester.

27. PRACTICE COURSE IN TEACHING THE ENGLISH LANGUAGE AND LITERATURE—(See Educational Theory and Practice.) Two hours credit. First semester. ASSOCIATE PROFESSOR STUFF

28. PRACTICE COURSE—27 continued. Two hours credit. Second semester.

Fine Arts 1—DRAWING AND MODELING—Object and simple constructive drawing, elementary design and pictorial composition intended for those preparing to teach in the graded schools. Simple work in clay modeling. One to two hours per week throughout the year.

ADJUNCT PROFESSOR HAYDEN

Geography 3—THEORY AND PRACTICE OF TEACHING GEOGRAPHY—This course can be taken to best advantage when preceded by courses 1 and 2. It is open, however, to all persons preparing to teach geography. Both subject-matter and method are emphasized. Visits to the grade schools of the city, and to the Temple High School. Some of the topics treated by class discussions and by lectures are: Geography by grades in the state course of study; the purpose and management of excursions and field studies; illustrative materials

and laboratory exercises; the library; the place of industrial and commercial geography; regional geography illustrated by a study of Nebraska. Two hours attendance. Library, laboratory, field, four hours. Two hours credit. First semester.

PROFESSOR CONDERA, ADJUNCT PROFESSOR BENGTSOHN

German—19. THE METHODOLOGY OF GERMAN—Critical survey of methods used in European and American schools. Lectures and written reports on special topics. Sufficient work in phonetics and historical grammar to enable the student to deal intelligently with the linguistic problems that present themselves in secondary work. Special stress upon the relation of English to German. Practice teaching. Observation work and critical reviews. Two hours attendance. Two hours credit. PROFESSOR GRUMMANN

American History—12. TEACHERS' COURSE—Practical preparation for teaching of American history. Place in high school curriculum; equipment; methods; texts, aids, etc. Required of every Senior expecting a major recommendation from the department. Two hours attendance. Two hours credit. Second semester.

ASSOCIATE PROFESSOR PERSINGER.

Greek History—41. TEACHERS' COURSE IN GREEK HISTORY—Must be preceded by European History 1 and 2. Two hours attendance. Two hours credit. First semester. HEAD PROFESSOR FLING

Greek Language—15. PROSE COMPOSITION—Advanced course. One hour attendance. One hour credit. First semester.

PROFESSOR DANN

Home Economics—13. TEACHERS' COURSE—Required of candidates for the University Teachers' Certificate in Home Economics. Lectures with practice work in teaching. Two hours attendance. Three hours credit. First semester. PROFESSOR BOUTON

14. TEACHERS' COURSE—13 continued. Second semester.

19. HOME SCIENCE EXTENSION WORK—Designed for teachers who wish to introduce home science into schools without equipment; also for persons desirous of preparing themselves to render service in settlements, clubs, etc. One hour attendance. Two hours laboratory. One or two hours credit. First semester. PROFESSOR BOUTON

Mathematics—25. MATHEMATICAL PEDAGOGY—Three hours attendance. Three hours credit. Second semester. PROFESSOR CANDY

Music—1. PUBLIC SCHOOL MUSIC—Sight-singing, ear training, rhythm study, part study. Lectures on the child voice. Study of plans and songs of the leading courses in school music through the grades and high school, giving a comprehensive training in the art of public school music as taught in the best schools. Two hours attendance First semester. MR. MILLER

2. PUBLIC SCHOOL MUSIC—1 continued. Second semester.

Nature Study—Lectures on life as expressed in our common animals and plants, the interaction between living things and their environment, adaptation to environment, struggle for existence and survival of the most fit; discussions of field work and problems; methods of collecting and correlating data by working out simple field problems; the making of apparatus for collecting; the care and preparation of materials for class demonstration; methods of presenting nature study in the schools. Designed to train the powers of observation, to aid in correct interpretation of the knowledge gained, and to increase the appreciation and enjoyment of natural phenomena. Of special value to teachers. Two hours attendance. Four hours of field or laboratory work. Two hours credit. Second semester. ASSOCIATE PROFESSOR BARKER

Agricultural Pedagogy 1—In this subject the material that should be used for instruction in secondary schools is rigidly gone over, only such material being presented as is fitted to supply the needs of high school students and can be presented in the time that high schools can usually allot to these subjects. The truly educative value of the material offered is taken up with the best methods of presenting it to high school students. Three hours attendance. Three hours credit. First semester.

HEAD PROFESSOR DAVISSON

Physical Education—17. METHODS IN TEACHING—Two hours attendance. Two hours credit. First semester. Men, PROFESSOR CLAPP. Women, ADJUNCT PROFESSOR TOWNE. Consult instructors before registering.

18. METHODS IN TEACHING—17 continued. Second semester.

27. **TEACHERS' COURSE**—For those wishing a knowledge of physical training for use in public schools. Two hours attendance. One hour credit. First semester.

PROFESSOR CLAPP

28. **TEACHERS' COURSE**—27 continued. Second semester.

Physics 16—Class demonstrations and manipulation of apparatus used in laboratory in high-school physics. Prerequisite: 1a, 1b, 2a, 2b, 3a, 3b, 4a, 4b. Six hours laboratory. Two hours credit. Second semester.

PROFESSOR SKINNER

Physiology—**GENERAL PHYSIOLOGY 13.** Physiology of animals. The essentials of high school physiology. State legislation. The teaching of physiology. Vivisection. The place of physiology in high schools. Text-books and laboratory guides. Lectures, demonstrations, laboratory work, and assigned readings. No prerequisites. Two hours attendance. Two hours laboratory. Two hours credit.

PROFESSOR GUENTHER

GENERAL PHYSIOLOGY 14—13 continued. Prerequisite: Course 13.

Pharmacodynamics 5—The physiological action of narcotics, the conditions induced. Their importance. The production of disease. Narcotic habits. Abnormal appetites. The patent medicine question. Two hours attendance. Two hours laboratory. Two hours credit. First semester.

PROFESSOR LYMAN

Rhetoric 32—**THE TEACHING OF RHETORIC AND ENGLISH COMPOSITION IN SECONDARY SCHOOLS**—General principles of composition; discussion of text-books; methods; management of theme courses. Individual instruction in correcting themes. Open to Juniors, Seniors, and Graduates. One hour lecture; three hours reading and observation. Two hours credit. Second semester.

HEAD PROFESSOR FRYE, PROFESSOR FOGG

Roman History and Literature 3—Lectures on methods of teaching Latin and on subject-matter often overlooked. Model reading of Cicero and Vergil. One hour attendance. One hour credit. First semester.

HEAD PROFESSOR BARBER

Roman History and Literature 4—3 continued. Second semester.

Romance Language 11—French Writing and Speaking. Advanced course. Two hours attendance. Two hours credit. First semester.

PROFESSOR CONKLIN

Romance Language 12—French Writing and Speaking. 11 continued. Second semester.

Zoology 1—For beginners and any desiring a comprehensive view. A concise survey of the anatomy, physiology, development, distribution and modification of animal life. Lectures on apparatus and collecting. Three hours attendance. Four hours laboratory. Three hours credit. First semester. ASSISTANT PROFESSOR POWERS

Zoology 2—1 continued. Does not presuppose 1. Second semester.

THE COLLEGE OF ENGINEERING

MEMBERS OF THE FACULTY

SAMUEL AVERY, Ph.D.

Chancellor and President of the University Senate
1908, 1901

CHARLES RUSS RICHARDS, M.E., M.M.E.

Dean of the College of Engineering and Head Professor of Mechanical
Engineering and Practical Mechanics
1909, 1891 Mechanic Arts Hall 203½
1803 A Street

ELLERY WILLIAM DAVIS, Ph.D.

Head Professor of Mathematics and Dean of the College of Arts
and Sciences
1893, 1893 Mechanic Arts Hall 301½
1345 South Eighteenth Street

OSCAR VAN PELT STOUT, B.C.E., C.E.

Head Professor of Civil Engineering
1898, 1891 Mechanic Arts Hall 205
1735 Euclid Avenue

GEORGE RICHARD CHATBURN, B.C.E., A.M.

Professor of Applied Mechanics and Machine Design
1906, 1894 Mechanic Arts Hall 309
2850 P Street

BURTON EVANS MOORE, Ph.D.

Professor of Physics
1907, 1896 Brace Laboratory
1900 Euclid Avenue

CARL CHRISTIAN ENGBERG, Ph.D.

Professor of Applied Mechanics
1908, 1896 Mechanic Arts Hall 302
330 North Thirty-second Street

GEORGE HART MORSE, B.E.E.

Professor of Electrical Engineering

1903, 1898 Mechanic Arts Hall 208
632 North Twenty-fifth Street

CLARENCE AURELIUS SKINNER, PH.D.

Professor of Physics

1906, 1899 Brace Laboratory 206
1726 N Street

GEORGE EVERT CONDRA, PH.D.

Professor of Geography and Economic Geology

1906, 1902 Museum
1319 Q Street

* BENTON DALES, PH.D.

Professor of Analytical Chemistry

1908, 1903 Chemistry Hall
2030 C Street

CAPTAIN HALSEY E. YATES, 17TH INF., U. S. A.

Professor of Military Science and Tactics

1909, 1909 Memorial Hall

CHARLES LEE DEAN, B.Sc. IN M.E.

Assistant Professor of Mechanical Engineering

1909, 1902 Mechanic Arts Hall 211
2636 O Street

† THOMAS BARTLETT SEARS, C.E.

Assistant Professor of Civil Engineering

1908, 1906 Mechanic Arts Hall 205

PHILIP K. SLAYMAKER, M.E.

Assistant Professor of Applied Mechanics and Machine Design

1908, 1907 Mechanic Arts Hall 309
350 North Twenty-eighth Street

GEORGE BORROWMAN, A.M.

Adjunct Professor of Chemistry

1908, 1905 Chemistry Hall
407 South Fourteenth Street

* In charge of the Department of Chemistry.

† Resigned.

THE UNIVERSITY OF NEBRASKA

VERNON LEO HOLLISTER, B.S.

Adjunct Professor of Electrical Engineering

1908, 1907 Mechanic Arts Hall 109

JESSE EPHRAIM RASMUSEN, B.Sc. IN M.E.

Adjunct Professor of Applied Mechanics and Machine Design

1908, 1907 Mechanic Arts Hall 309
329 South Fifteenth Street

ALFRED BOYD, B.Sc. IN E.E.

Adjunct Professor of Civil Engineering

1909, 1907 Mechanic Arts Hall 205
1128 J Street

ALBERT BUNTING

Adjunct Professor of Practical Mechanics

1909, 1907 Engineering Shops
1721 C Street

LYNN A. SCIPIO, A.B., B.S.

Adjunct Professor of Mechanical Engineering

1909, 1908 Mechanic Arts Hall
1604 Elm Street

WALTER SCOTT PAYNE

Instructor in Foundry and Machine Shops

1901, 1901 Mechanic Arts Hall 107
University Place

CLARK EDWIN MICKEY, B.Sc

Instructor in Applied Mechanics

1908, 1908 Mechanic Arts Hall
1337 South Eleventh Street

STANDING COMMITTEES OF THE ENGINEERING COLLEGE

Course of Study and Advanced Standing—RICHARDS, STOUT, MORSE,
CHATBURN.**Schedule of Classes**—ENGBERG, HOLLISTER, DEAN, SEARS, RASMUSEN,
TUCKERMAN, BORROWMAN, THE REGISTRAR.**Unclassed Students**—STOUT, MORSE, CHATBURN, THE DEAN.

THE COLLEGE OF ENGINEERING

ORGANIZATION OF THE COLLEGE

By an act of the Legislature of 1909, the Industrial College was abolished and the engineering departments, formerly included in that college, were organized into a College of Engineering. It is the purpose of this college to give a broad, thorough training in mathematics and the physical sciences, with the application of these subjects to the fundamental and special branches of engineering science. While strongly emphasizing those subjects which are of fundamental importance to all branches of engineering, a considerable amount of specialization is permitted in the several groups of study offered by the college. In each department of instruction the work in the class room is made clear and real by extensive work in the laboratories.

FACILITIES FOR INSTRUCTION

To illustrate properly the work in engineering, the college is provided with well equipped shops and laboratories, as follows: The Wood Shop with accommodations for forty-four students at a time; the Foundry for twenty students; the Forge Shop for twenty-five students; the Machine Shop for thirty students; the Materials Laboratory, containing a 200,000 and a 50,000-pound testing machine, a torsion testing machine and two cement testing machines, with suitable instruments, for investigations of the strength and

other properties of the materials of construction; the Electrical Laboratories, including one small laboratory for electrolytic and electric furnace work, a small senior laboratory with photometric dark-room, and one large laboratory containing a good assortment of dynamos, testing instruments, etc.; the Mechanical Laboratories, including the Steam and Gas Engine Laboratory, equipped with a number of experimental steam and gas engines, steam boilers, auxiliary steam apparatus, instruments, etc.; and the Fuels and Friction Laboratory provided with suitable apparatus for investigating the properties of fuels and lubricants. An assortment of levels, transits, rods, chains, etc., is provided for the work in surveying. The Engineering Library contains a large collection of reference books, bound periodicals and transactions of engineering societies.

The completion of the new \$115,000 Mechanical Engineering Laboratory during the summer of 1909 will add greatly to the efficiency of instruction in all branches of engineering, and will make possible a complete rearrangement of all the laboratories of the college. For a description of this and the other buildings of the college, see "Equipment" under General Information.

REQUIREMENTS FOR ADMISSION

For admission to the Freshman class the candidate must present entrance "credits" equal to 28 "points," that is, a total of 140 recitation or "credit" hours. Beginning in September, 1910, 30 points, or a total of 150 recitation or credit hours will be required for entrance to the College of Engineering.

Conditional admission is permitted on a minimum of 22 "points," or 110 hours. In September, 1910, conditional admission will be permitted on a minimum of 24 points or 120 hours.

A "credit point" means the work of five recitations a week, of not less than forty minutes each, for at least eighteen weeks. The time element with each subject is essential.

REQUIRED SUBJECTS—16 Points

Algebra (through logarithms), 1½ years, 5 hours a week.....	3
Rhetoric and Literature, 2 years, 5 hours a week.....	4
Geometry (plane and solid), 1½ years, 5 hours a week.....	3
Language (French, German, Spanish, Greek, Latin—One language preferred. Not more than two of these subjects), 2 years, 5 hours a week	4
Physical Science (Physics), 1 year, 5 hours a week.....	2

OPTIONAL SUBJECTS—12 Points*

In addition to these required subjects, for which no substitutes are accepted, applicants must present eleven points from the following optional subjects:

Agriculture	1
Rhetoric and Literature, 1 year, 5 hours a week.....	2
History (American or European), 3 years, 5 hours a week.....	6
Language (ancient or modern), 3 years, 5 hours a week.....	6
Manual Training, 1 year, 5 hours a week.....	2
Mechanical Drawing, ½ year, 5 hours a week.....	1
Natural Science (Botany, Zoology), 1 year, 5 hours a week.....	2
† Physical Science (Chemistry), 1 year, 5 hours a week.....	2
Trigonometry (plane), ½ year, 5 hours a week.....	1

* On September 1, 1910, the number of optional points will be increased to 14, thus making a total of 30 points required.

† Students who do not present two points in Chemistry among their optional subjects, will find it necessary to complete equivalent work in Chemistry at the expense of the free electives in the groups of this college.

Astronomy	}	Not more than 3 accepted for 1909.... 3
Civics		
Geology		
Normal Training		
Physical Geography		
Physiology and Hygiene		
Political Economy		
Book-keeping		
Senior Reviews		

For a detailed statement of the general requirements for entrance to the university, advanced standing, registration, requirements for graduation, etc., see pages 45 to 69.

FEES

A list of fees charged students in the College of Engineering will be found under the general heads of "University Fees" and "Laboratory Fees," pages 56 to 60.

GROUPS OF STUDY AND DEGREES

The College offers groups of study in civil, electrical, and mechanical engineering, leading to the degrees of Bachelor of Science in Civil, Electrical, and Mechanical Engineering. The courses in civil engineering deal with the subjects of railroad engineering, hydraulic engineering, irrigation, water supply, sewerage, structural design, masonry construction, etc. The courses in electrical engineering include the theory and design of electrical machinery and the industrial applications of electricity to the transmission of power, lighting, street railways, electro-metallurgy, etc. The courses in mechanical engineering deal with problems relating to the generation and transmission of power, and the design, construction, operation and testing of machinery of all kinds.

A student taking the Civil Engineering course with the following substitutions and electives is able, after graduation, to finish a course in Mining Engineering with a year's additional study. The substitutions are: Chemistry 5, 6 for Mechanical Engineering 1, 2; Mining Geology 26 for Mechanical Engineering 18. The electives are: Chemistry 21, 22, 23 and 24; Geology 1, 2, 15, 16 and 17; Field Geology 21 and 22, and Economic Geology 25.

The Civil Engineering group, with the following substitutions and electives, is an appropriate preparation for work in connection with the conservation and development of the natural resources of a country. Substitutions: Field Geology 21 and Engineering Geology 25 for Applied Mechanics 3; Civil Engineering 18 and approved electives for Civil Engineering 16 and 15. Electives: To be approved by the Dean of the College of Engineering, on recommendation of the Professors of Civil Engineering and Economic Geology.

In all of the four-year groups in the College of Engineering 125 "credit" hours are required for graduation.

SIX-YEAR COMBINED ACADEMIC-ENGINEERING COURSE

It has been found that all the requirements of both the academic and the engineering courses may be easily met in six years, the degree of Bachelor of Arts being taken at the end of the fourth or fifth year and that of Bachelor of Science in one of the Engineering courses at the end of the sixth.

GRADUATE WORK

Graduate work in engineering may be taken by any student who has had preparation in mathematics and sci-

ence equivalent to that required of undergraduates in engineering, but candidates for the degree of Civil Engineer, Mechanical Engineer or Electrical Engineer, must, in addition, possess technical preparation equivalent to that required in the undergraduate courses.

Graduate work consists of special laboratory investigations, of advanced engineering design, or of the collection and reduction of existing data relating to some specific engineering topic. So far as possible such work is arranged to suit the needs of the individual student.

CIVIL, ELECTRICAL, AND MECHANICAL ENGINEERING GROUPS

To avoid conflict in the time schedules of students and to secure the proper sequence in studies, it is necessary that the engineering courses be taken in the following prescribed order. In no case should this order be departed from without consultation with the head of the engineering department chiefly concerned.

FOUR YEAR COURSES

FIRST YEAR—ALL ENGINEERING GROUPS

FIRST SEMESTER

	CREDIT HOURS
Mathematics (Algebra and Plane Trigonometry) 1.....	5
Physics (Mechanics of Solids and Fluids) 1.....	3
Rhetoric 1	2
Applied Mechanics (Mechanical Drawing) 1.....	3
Mechanical Engineering (Elementary Wood Work) 1.....	3
Military Drill	1

SECOND SEMESTER**CREDIT
HOURS**

Mathematics (Analytical Geometry and Calculus) 2.....	5
Physics (Sound and Heat) 2.....	3
Rhetoric 2	2
Applied Mechanics (Descriptive Geometry) 2.....	3
Mechanical Engineering (Pattern-Making and Foundry Work) 2...	3
Military Drill	1

17**CIVIL ENGINEERING GROUP****SECOND YEAR****FIRST SEMESTER**

Mathematics (Analytical Geometry and Calculus) 3.....	5
Physics (Electricity and Magnetism) 3.....	2
Chemistry (Qualitative Analysis) 1.....	2
Applied Mechanics (Mechanism) 3.....	3
Civil Engineering (Surveying) 5	4
Military Drill	1

17**SECOND SEMESTER**

Mathematics (Analytical Geometry and Calculus) 4.....	5
Physics (Optics) 4	2
Chemistry (Qualitative Analysis) 2.....	2
Applied Mechanics (Theoretical and Applied) 14.....	3
Civil Engineering (Surveying) 6	4
Military Drill	1

17**THIRD YEAR****FIRST SEMESTER**

Electrical Engineering (Electric Power) 3.....	2
Applied Mechanics (Mechanics of Materials) 15.....	3
Applied Mechanics 17	2
Civil Engineering (Hydraulics) 11	2
Chemistry 23	2
Electives	4

15

	CREDIT HOURS
SECOND SEMESTER	
Electrical Engineering (Electrical Laboratory) 8.....	2
Civil Engineering (Masonry Construction) 22.....	4
Applied Mechanics (Materials of Construction) 18.....	2
Civil Engineering (Framed Structures) 16.....	4
Electives	3

FOURTH YEAR

15

FIRST SEMESTER

Civil Engineering (Framed Structures) 15.....	3
Civil Engineering (Hydraulic Engineering) 29.....	3
Electives	8

14

SECOND SEMESTER

Mechanical Engineering (Experimental Mechanical Engineering) 18..	3
Mechanical Engineering (Steam Engineering) 10.....	4
Thesis or Electives	6

ELECTRICAL ENGINEERING GROUP

13

SECOND YEAR**FIRST SEMESTER**

Mathematics (Analytical Geometry and Calculus) 3.....	5
Physics (Electricity and Magnetism) 3.....	2
Chemistry (Qualitative Analysis) 1.....	2
Applied Mechanics (Mechanism) 3.....	4
Mechanical Engineering (Forging) 3	3
Military Drill	1

17

SECOND SEMESTER

Mathematics (Analytical Geometry and Calculus) 4.....	4
Physics (Optics) 4.....	2
Chemistry (Qualitative Analysis) 2	2
Applied Mechanics (Theoretical and Applied) 14.....	3
Mechanical Engineering (Filing and Chipping) 4.....	2
Physics (Electricity and Magnetism) 5.....	2
Military Drill	1

17

THIRD YEAR**FIRST SEMESTER**CREDIT
HOURS

Applied Mechanics (Machine Design) 5.....	3
Applied Mechanics (Mechanics of Materials) 15.....	3
Electrical Engineering (Dynamors) 1.....	2
Chemistry (Technical) 23 (or Electives).....	2
Physics (Electrical Measurements) 6.....	3
Electives	2
	<hr/>
	15

SECOND SEMESTER

Applied Mechanics (Machine Design) 6.....	3
Electrical Engineering (Dynamors) 2.....	2
Chemistry (Assaying or Technical) 23 (or Electives).....	2
Electrical Engineering (Electrical Laboratory) 8.....	2
Mechanical Engineering (Laboratory) 16.....	3
Mechanical Engineering (Steam Engineering) 10.....	4
	<hr/>
	16

FOURTH YEAR**FIRST SEMESTER**

Electrical Engineering (Laboratory) 9.....	2
Electrical Engineering (Electric Lighting) 17 or.....	
Electrical Engineering (Telephone Engineering) 19.....	2
Electrical Engineering (Alternating Currents) 5.....	4
Civil Engineering (Surveying) 5.....	4
Mechanical Engineering (Machine Tool Work) 5.....	2
	<hr/>
	14

SECOND SEMESTER

Thesis or Electives	4
Electrical Engineering (Chemical Engineering) 18.....	2
Electrical Engineering (Electric Railways) 20.....	2
Electrical Engineering (Technical Reports) 16.....	1
Electives	2 or 4
	<hr/>
	13

MECHANICAL ENGINEERING GROUP**SECOND YEAR****FIRST SEMESTER**CREDIT
HOURS

Mathematics (Analytical Geometry and Calculus) 3.....	5
Physics (Electricity and Magnetism) 3.....	2
Chemistry (Qualitative Analysis) 1	2
Applied Mechanics (Mechanism) 3	4
Mechanical Engineering (Forge Work) 3.....	3
Military Drill	1

17

SECOND SEMESTER

Mathematics (Analytical Geometry and Calculus) 3.....	5
Physics (Optics) 4	2
Chemistry (Qualitative Analysis) 2	2
Applied Mechanics (Theoretical and Applied) 14.....	3
Mechanical Engineering (Filing and Chipping) 4.....	2
Military Drill	1

15

THIRD YEAR**FIRST SEMESTER**

Applied Mechanics (Machine Design) 5.....	3
Applied Mechanics (Mechanics of Materials) 15.....	3
Civil Engineering (Hydraulics) 11	2
Electrical Engineering (Electric Power) 3.....	2
Mechanical Engineering (Mechanical Engineering Laboratory) 15..	2
Mechanical Engineering (Machine Tool Work) 5.....	2

14

SECOND SEMESTER

Applied Mechanics (Machine Design) 6.....	3
Mechanical Engineering (Experimental Mechanical Engineering) 18..	3
Mechanical Engineering (Steam Engineering) 10.....	4
Mechanical Engineering (Mechanical Engineering Laboratory) 16..	3
Mechanical Engineering (Mechanical Construction) 6.....	2
Chemistry 23	2

17

FOURTH YEAR**FIRST SEMESTER**CREDIT
HOURS

Mechanical Engineering (Valve Mechanism) 9.....	2
Mechanical Engineering (Steam Boilers) 11.....	2
Mechanical Engineering (Power Transmission) 29.....	2
Mechanical Engineering (Hydraulic Motors) 31.....	3
Mechanical Engineering (Mechanical Engineering Laboratory) 17..	2
Electives	4

15**SECOND SEMESTER**

Mechanical Engineering (Thermodynamics) 12	4
Applied Mechanics (Steam Engine Design) 8.....	2
Electrical Engineering (Electrical Laboratory) 8.....	2
Thesis or Electives	4
Electives	3

15**SIX-YEAR COMBINED ACADEMIC-ENGINEERING COURSE**

(Suggested order of studies.)

FIRST YEARSEMESTER
1st 2d

Mathematics (Algebra and Plane Trigonometry) 1.....	5	
(Analytical Geometry and Calculus) 2.....		5
The Classics or Modern Language.....	5	5
Rhetoric 1, 2	2	2
Applied Mechanics (Mechanical Drawing, Descriptive Geometry)		
1, 2	3	3
Applied Mechanics (Free Hand Drawing) 23.....	1	1
Military Drill	1	1

17 17**SECOND YEAR**

Mathematics (Analytical Geometry, Calculus) 3, 4.....	5	5
Modern Language or English	5	5
Physics (Mechanics, Sound and Heat) 1, 2.....	3	3
Mechanical Engineering (Wood, Pattern and Foundry Work)		
1, 2	3	3
Military Drill	1	1

17 17

	SEMESTER	
	1st	2d
THIRD YEAR		
Applied Mechanics (Mechanism, Analytical Mechanics) 3, 14...	4	3
History	3	3
Biology	3	3
Chemistry 1, 2	2	2
Physics (Electricity, Magnetism and Optics) 3, 4.....	2	2
Electives	2	3
	16	16

	C. E.		E. E.		M. E.	
	1st	2d	1st	2d	1st	2d
FOURTH YEAR						
Chemistry 23	2		2		2	
Civil Engineering (Surveying 5, 6).....	4	4				
English (Eng. Lit. 1, 2, or Rhet. 3, 4).....	3	3	3	3	3	3
App. Mech. (Mechanics of Materials, Materials of Construction)	3	2	3		3	
App. Mech. (Machine Design) 5, 6.....			3	3	3	3
Mech. Eng. (Forge, Filing and Chipping) 3, 4..	3	2	3	2	3	2
Mech. Eng. (Steam Engineering) 10.....				4		4
Electives		4	1	3	1	3
	15	15	15	15	15	15

FIFTH YEAR						
Philosophy (or Economics)	3	3	3	3	3	3
Elec. Eng. (Elec. Power, Elec. Lab.) 3, 8....	2	2		2	2	
App. Mech. (Cement Laboratory) 17.....	2					
Civil Engineering (Hydraulics, Masonry Construction) 11, 22	2	4			2	
Civ. Eng. (Reinforced Concrete, Framed Structures) 17, 16	3	4				
Elec. Eng. (Dynamios) 1, 2.....			2	2		
Physics (Electrical Measurements) 6, 10....			3	2		
Civ. Eng. (Plane Surveying) 5.....			4			
Mech. Eng. (Power Transmission, Exp. Mech. Eng.) 29, 18					2	3
Mech. Eng. (Mech. Eng. Laboratory) 15, 16..				3	2	3
Mech. Eng. (Machine Tool Work, Mechanical Construction) 5, 6					2	2
Electives	3		3	3	2	4
	15	15	15	15	15	15

	SIXTH YEAR		C. E.		E. E.		M. E.	
	1st	2d	1st	2d	1st	2d	1st	2d
Economics (or Philosophy if former has been taken)	3	3	3	3	3	3		
Civ. Eng. (Framed Structures) 15.....	3							
Civ. Eng. (Hydraulic Engineering) 29.....	3							
Mech. Eng. (Experimental Mech. Eng.) 18..		3						
Mech. Eng. (Steam Engineering) 10.....		4						
Elec. Eng. (Elec. Eng. Lab., Tech. Reports) 9, 16				2	1			
Elec. Eng. (Elec. Light or Tel. Eng., Chem. Eng.) 17, 18				2	2			
Elec. Eng. (Alternating Currents, Elec. Railways) 5, 20				4	2			
Mech. Eng. (Valve Mechanism) 9.....						2		
Mech. Eng. (Steam Boilers, Thermodynamics) 11, 12						2	4	
App. Mech. (Steam Engine Design) 8.....							2	
Mech. Eng. (Hydraulic Motors) 31.....						3		
Mech. Eng. (Mechanical Engineering Laboratory) 17						2		
Elec. Eng. (Electrical Engineering Laboratory) 8							2	
Thesis (Subject to be selected and approved at least one year before graduation) or Electives	2-5	2-4	3		2-4	2	2-3	
Electives	3-0	2-1			4-2		1-0	
	14	14	14	14	14	14	14	
Total number of hours required.....							188	

THE COLLEGE OF ENGINEERING

COURSES OF INSTRUCTION

For courses that may be chosen to apply as "electives" see the general "Courses of Instruction" of the College of Arts and Sciences, the College of Agriculture and the Teachers College.

Students are advised to consult the heads of departments before registering.

CIVIL ENGINEERING

HEAD PROFESSOR STOUT, PROFESSOR CHATBURN, ASSISTANT PROFESSOR SEARS, ADJUNCT PROFESSOR BOYD

COURSES

FOR UNDERGRADUATES AND GRADUATES

5. **Surveying**—Prerequisite: Trigonometry. To be accompanied by course 5a. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR SEARS

- 5a. **Surveying Field Work**—To accompany course 5. Six hours field. Two hours credit. First semester.

ASSISTANT PROFESSOR SEARS

6. **Surveying**—5 continued. Second semester.

- 6a. **Surveying Field Work**—5a continued. Second semester.

8. **Railway Surveying**—Prerequisite: Courses 5 and 5a. Field and office methods employed in surveys for locating and constructing railroads. One hour attendance. Six hours field. Three hours credit. Second semester.

ASSISTANT PROFESSOR SEARS

9. **Railway Construction**—Prerequisite: Course 8 or equivalent experience in actual work. Principles and practice. Roadbed, tunnels; minor structures. Contractors' organization and equipment. Cost data and analysis; estimates. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR SEARS

10. **Economic Theory of Railway Location**—Open to fourth-year students. Scientific balancing of cost, receipts, and operating expenses. Two hours attendance. Two hours credit. Second semester.

ASSISTANT PROFESSOR SEARS

11. **Hydraulics**—Prerequisite: Calculus. Two hours attendance. Two hours credit. Both semesters. HEAD PROFESSOR STOUT
12. **Irrigation Engineering**—Prerequisite: Course 11. Grade, cross-section and capacity of canals; surveys; designs of structures; source of water supply; analysis of hydrographic data; return and seepage waters; irrigation by pumping; organization; legal and economic principles. Three hours attendance. Three hours credit. Second semester. HEAD PROFESSOR STOUT
13. **Water Supply of Cities**—Prerequisite: Course 11. Three hours attendance. Three hours credit. First semester. ADJUNCT PROFESSOR BOYD
14. **Cleaning and Sewerage of Cities**—Prerequisite: Course 11. Three hours attendance. Three hours credit. Second semester. ADJUNCT PROFESSOR BOYD
15. **Design of Framed Structures**—Prerequisite: Course 16. Three hours attendance. Three hours credit. First semester. ADJUNCT PROFESSOR BOYD
16. **Stresses in Framed Structures**—Prerequisite: Applied Mechanics 15. Four hours attendance. Four hours credit. Second semester. ADJUNCT PROFESSOR BOYD
17. **Reinforced Concrete**—Prerequisite: Applied Mechanics 15. Theory and practice in design and construction of concrete reinforced by steel. Three hours attendance. Three hours credit. First semester. ADJUNCT PROFESSOR BOYD
21. **Roads, Streets, and Pavements**—Lectures, assigned readings, and reports. Two hours attendance. Two hours credit. First semester. PROFESSOR CHATBURN
22. **Masonry Construction**—Prerequisite: Applied Mechanics 14. Four hours attendance. Four hours credit. Second semester. HEAD PROFESSOR STOUT
29. **Hydraulic Engineering**—Prerequisite: Course 11. Hydraulic development for purposes of drainage, power, and transportation. Flood protection. Collection and analysis of hydrographic data and the principles involved in the design of reservoirs, canals, levees, and structures. Three hours attendance. Three hours credit. First semester. HEAD PROFESSOR STOUT

30. **Exploratory Surveying**—Designed for students of forestry. Prerequisite: Course 5. One hour attendance. Three hours field work. Two hours credit. Second semester.

ASSISTANT PROFESSOR SEARS

ELECTRICAL ENGINEERING

PROFESSOR MORSE, ADJUNCT PROFESSOR HOLLISTER

PRIMARILY FOR UNDERGRADUATES

1. **Dynamos**—Theory and practice of direct current machinery. Two hours attendance. Two hours credit. First semester.

PROFESSOR MORSE

2. **Dynamos**—1 continued. Second semester.

3. **Electric Power**—Elementary principles. Industrial applications. For students in civil and mechanical engineering. Two hours attendance. Two hours credit. First and second semesters.

ADJUNCT PROFESSOR HOLLISTER

5. **Alternating Currents**—Theory and practice of alternating current machinery. Prerequisite: Courses 1 and 2. Four hours attendance. Four hours credit. First semester.

PROFESSOR MORSE

6. **Alternating Currents**—5 continued. Two hours class room attendance. Six hours laboratory. Four hours credit. Second semester.

PROFESSOR MORSE, ADJUNCT PROFESSOR HOLLISTER

8. **Electrical Laboratory**—Practice in operating and testing dynamos, motors, transformers, and subsidiary apparatus. Six hours laboratory. Two hours credit. First and second semesters.

ADJUNCT PROFESSOR HOLLISTER

9. **Electrical Laboratory**—8 continued. Nine hours laboratory. Two hours credit. First semester. ADJUNCT PROFESSOR HOLLISTER

10. **Thesis**—Graduating thesis on approved subject demanding knowledge of engineering. Four hours credit.

PROFESSOR MORSE, ADJUNCT PROFESSOR HOLLISTER

16. **Technical Reports**—One hour attendance. One hour credit. Second semester.

PROFESSOR MORSE

18. **Electro-Chemical Engineering**—Batteries, electric furnaces, production of aluminum and other metals, refining and deposition of metals and electrolysis. Two hours attendance. Two hours credit. Second semester.

PROFESSOR MORSE

20. **Electric Railways**—History. Construction and operation. Following courses 1 and 2. Two hours attendance. Two hours credit. Second semester. PROFESSOR MORSE
17. **Electric Lighting**—Distributing systems, lamps, electric and other, photometry, effective lighting, rules for wiring, lighting stations. Prerequisite: courses 1 and 2. Two hours attendance. Two hours credit. First semester. PROFESSOR MORSE
19. **Telephone Engineering**—History, line construction, telegraph and telephone instruments, switchboards and circuits. Two hours attendance. Two hours credit. First semester. ADJUNCT PROFESSOR HOLLISTER

MECHANICAL ENGINEERING

HEAD PROFESSOR RICHARDS, ASSISTANT PROFESSOR DEAN, ADJUNCT PROFESSOR SCIPIO, MR. PAYNE, ADJUNCT PROFESSOR BUNTING, MR. PEARSON

PRIMARILY FOR UNDERGRADUATES

1. **Wood Work**—Bench work in wood and wood-turning; lectures on wood-working tools and machinery and the properties of timber. One hour attendance. Eight hours laboratory work. Three hours credit. First semester. ADJUNCT PROFESSOR BUNTING
2. **Pattern-Making and Foundry Practice**—Construction of patterns and core-boxes; molding and casting; lectures on pattern-making, foundry work and the metallurgy of cast-iron. Prerequisite: Course 1. One hour attendance. Eight hours laboratory work. Three hours credit. Second semester. ADJUNCT PROFESSOR BUNTING, MR. PEARSON
3. **Iron and Steel Forging**—Practice in forging, welding, tempering; lectures on forging tools and machinery, and metallurgy of iron and steel. Repeated during the second semester, if fifteen students desire it. One hour attendance. Eight hours laboratory work. Three hours credit. First semester. MR. PEARSON
4. **Filing, Chipping, and Scraping**—Exercises in the use of the cold-chisel, file and scraper. Six hours laboratory work. Two hours credit. Second semester. MR. PAYNE
5. **Machine Work in Metals**—Exercises in the use of the engine lathe, planer, shaper, milling machine; machine construction; lectures on machine tools. One hour attendance. Five hours laboratory work. Two hours credit. First semester. MR. PAYNE

6. **Machine Work in Metals**—5 continued. Six hours laboratory work. Two hours credit. Second semester. MR. PAYNE
21. **Elementary Engineering**—Two hours attendance. Two hours credit. First semester.
23. **Steam Machinery**—Two hours attendance. Two hours credit. First semester. ASSISTANT PROFESSOR DEAN
- 23a. **Operation of Engines and Boilers**—Three hours laboratory. One hour credit. First semester.

FOR GRADUATES AND UNDERGRADUATES

9. **Valve Mechanism**—Analytical and graphical methods in the design of steam engine valves, valve gears and link motions. Prerequisite: Course 10. One hour attendance. Three hours drawing. Two hours credit. First semester.

ADJUNCT PROFESSOR SCIPIO

10. **Steam Engineering**—Forms and mechanism of steam machinery. Economy of operation and adaptability to a given service; elementary theory of heat engines. Differential and integral calculus and applied mechanics required. Four hours attendance. Four hours credit. First and second semesters.

HEAD PROFESSOR RICHARDS, ADJUNCT PROFESSOR SCIPIO

11. **Steam Boilers**—Design and construction of steam boilers, furnaces, settings; their safety and economy of operation. Prerequisite: Course 10. Two hours attendance, occasional drawing. Two hours credit. First semester. ADJUNCT PROFESSOR SCIPIO

12. **Thermodynamics**—Advanced study of the thermodynamics of gases and vapors, the applications of the science to heat engines, injectors, refrigerating machinery, steam turbines, etc. Prerequisite: Course 10. Four hours attendance. Four hours credit. Second semester.

HEAD PROFESSOR RICHARDS

15. **Mechanical Engineering Laboratory**—Proximate analyses of coal; determination of heating value of coal, gas, and oil; the testing of lubricants and friction. Six hours laboratory. Two hours credit. First semester.

ASSISTANT PROFESSOR DEAN, ADJUNCT PROFESSOR SCIPIO

16. **Mechanical Engineering Laboratory**—Calibration of instruments, Indicator practice, valve setting, efficiency tests of engines and boilers, injectors, pumps, gas engines. The measurement of power. Nine hours laboratory. Three hours credit. Second semester.

ASSISTANT PROFESSOR DEAN, ADJUNCT PROFESSOR SCIPIO

17. **Mechanical Engineering Laboratory**—16 continued. Six hours laboratory. Two hours credit. First semester.
18. **Experimental Mechanical Engineering**—Lectures and recitations on the methods of engineering testing. Three hours attendance. Three hours credit. First and second semesters.

ASSISTANT PROFESSOR DEAN

25. **Internal Combustion Engines**—Theory and design of gas, gasoline and oil engines. Prerequisite: Course 10. Occasional drawing. Three hours attendance. Three hours credit. First semester.

HEAD PROFESSOR RICHARDS

26. **Air Brakes**—Construction and operation of air brakes. Occasional laboratory work. Two hours attendance. Two hours credit. Second semester.

ASSISTANT PROFESSOR DEAN

29. **Power Transmission**—Transmission of power by shafting, belts, ropes, water, compressed air, gas. Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR RICHARDS

31. **Hydraulic Motors and Pumping Machinery**—Theory of water-wheels, turbines and pressure engines and pumps. Three hours attendance. Three hours credit. First semester.

HEAD PROFESSOR RICHARDS

PRIMARILY FOR GRADUATES

24. **Advanced Engineering Design**—The student is required to design some complete engineering project—for example, a power plant, including building, chimney, engine and boiler installation, steam mains, etc.—and to formulate specifications for it. Occasional lectures. Six or nine hours drawing. Two or three hours credit. Second semester.

HEAD PROFESSOR RICHARDS

27. **Advanced Laboratory Investigations**—Special investigations of problems relating to steam engines and boilers, gas engines, etc. Nine or twelve hours laboratory. Three or four hours credit. First semester.

HEAD PROFESSOR RICHARDS

28. **Advanced Laboratory Investigations**—27 continued. Nine or twelve hours laboratory. Three or four hours credit. Second semester.

HEAD PROFESSOR RICHARDS, ASSISTANT PROFESSOR DEAN

APPLIED MECHANICS AND MACHINE DESIGN

PROFESSOR CHATBURN, ASSISTANT PROFESSOR SLAYMAKER, ADJUNCT PROFESSOR RASMUSEN AND MR. MICKEY

PRIMARILY FOR UNDERGRADUATES

1. **Mechanical Drawing**—Nine hours drawing a week in lettering, free-hand sketching, geometrical construction and projection; working drawings of machine parts. Three hours credit. First semester.

ADJUNCT PROFESSOR RASMUSEN

2. **Descriptive Geometry**—One hour attendance and six hours drawing a week, comprising, (1) text-book work on the solution of problems relating to geometrical magnitudes in space and their representations by drawings; (2) application of principles to working drawings. Three hours credit. Second semester.

ADJUNCT PROFESSOR RASMUSEN

3. **Mechanism**—Two classroom periods and six hours drawing a week. Motions and forms of various mechanisms occurring in machines, manner of supporting and guiding the parts, independent of strength, and the design of gear teeth. Prerequisite: Courses 1 and 2. Four hours credit. First semester.

ASSISTANT PROFESSOR SLAYMAKER

- 3a. **Mechanism**—Same as 3, but only three hours drawing. For civil engineering students. Three hours credit.

9. **Mechanical Drawing**—Substantially as in course 1. Required of first-year students in the School of Mechanic Arts. Six hours drawing a week. Two hours credit. First semester.

ADJUNCT PROFESSOR RASMUSEN

10. **Mechanical Drawing**—9 continued. Second semester.

11. **Kinematics**—Elementary course in mechanism. Required of second-year students in the School of Mechanic Arts. Six hours drawing a week. Two hours credit. First semester.

ADJUNCT PROFESSOR RASMUSEN

12. **Machine Design**—Elementary course like course 5, but less technical in its scope. Required of second-year students in the School of Mechanic Arts. Six hours drawing a week. Two hours credit. Second semester. ASSISTANT PROFESSOR SLAYMAKER
19. **Timber Physics**—Physical properties of timber. For students of forestry. One hour attendance. Three hours laboratory. Two hours credit. First semester. PROFESSOR CHATBURN
20. **Timber Physics**—19 continued. Second semester.

FOR UNDERGRADUATES AND GRADUATES

5. **Machine Design**—Elementary design of shafting and shaft couplings, pulleys and fly-wheels, power-screws, bearings and guides. Nine hours drawing a week. Prerequisite: Courses 1, 2, and 3. Three hours credit. First semester.
ASSISTANT PROFESSOR SLAYMAKER
6. **Machine Design**—Each student makes a number of complete designs, studies constructive details, makes calculations to determine strength of parts and estimates cost. Nine hours drawing a week. Prerequisite: Courses 1, 2, 3, and 5. Three hours credit. Second semester. ASSISTANT PROFESSOR SLAYMAKER
8. **Steam-Engine Design**—Working from an assumed indicator card, each student designs the principal dimensions of a high-speed automatic cut-off engine and the details of assigned parts. Reports upon each particular design. Six hours drawing a week. Prerequisite: Courses 1, 2, 3, and 5. Two hours credit. Second semester.
ASSISTANT PROFESSOR SLAYMAKER
13. **Stereotomy**—Drawing and laboratory. Six hours drawing. Two hours credit. First and second semesters.
PROFESSOR CHATBURN
14. **Theoretical and Applied Mechanics**—Prerequisite: Mathematics 3. Principles of kinematics, statics and kinetics. Three hours attendance. Three hours credit. First and second semesters.
PROFESSOR CHATBURN AND MR. MICKEY
15. **Mechanics of Materials**—Resistance of materials, and mechanics of beams, columns, and shafts; laboratory experiments. Prerequisite: Course 14. Two hours attendance. Three hours laboratory. Three hours credit. First and second semesters.
PROFESSOR CHATBURN, ADJUNCT PROFESSOR RASMUSEN AND
MR. MICKEY

17. **Cement and Concrete Testing**—Classification, composition, manufacture, inspection, sampling and specifications. Practical testing of cement, mortars, concretes, and other materials of construction. Prerequisite: Course 14. One hour attendance. Three hours laboratory. Two hours credit. First and second semesters.

MR. MICKEY

18. **Materials of Construction**—Manufacture and general properties. Mechanical properties of materials as revealed by actual tests. Comparison of tests reported by other laboratories. Continuation of tests begun in course 17. One hour attendance. Three hours laboratory. Two hours credit. Second semester.

PROFESSOR CHATBURN AND MR. MICKEY

22. **Graphic Statics**—Elements of graphic statics applied to engineering construction. Prerequisite: Course 14. One hour attendance. Six hours drawing. Three hours credit. Second semester.

PROFESSOR CHATBURN

23. **Applied Descriptive Geometry**—Advanced course in mechanical drawing. Practical applications of the principles of descriptive geometry. Shades, shadows and perspective. Prerequisite: Courses 1 and 2. Three or six hours drawing a week. One or two hours credit.

MR. RASMUSEN

24. **Free Hand Drawing**—Designed for engineering students. Three hours drawing. One hour credit.

ADJUNCT PROFESSOR HAYDEN

THE COLLEGE OF AGRICULTURE

MEMBERS OF THE FACULTY

SAMUEL AVERY, PH.D.

Chancellor and President of the University Senate

Administration Hall 101

EDGAR ALBERT BURNETT, B.Sc.

Dean of the College of Agriculture and Director of Experiment Stations

Agricultural Hall 203

CHARLES EDWIN BESSEY, PH.D., LL.D.

Head Professor of Botany and Head Dean in the University

Nebraska Hall 104

LAWRENCE BRUNER, B.Sc.

Head Professor of Entomology and Acting State Entomologist

Nebraska Hall 303

ALBERT THEODORE PETERS, D.V.M.

Head Professor of Animal Pathology

Agricultural Hall 103

ALBERT EUGENE DAVISSON, A.B.

Head Professor of Agricultural Education

Agricultural Hall 207

HOWARD REMUS SMITH, B.Sc.

Head Professor of Animal Husbandry

Agricultural Hall 103

ARCHIBALD LOUIS HAECKER, B.Sc.A.

Head Professor of Dairy Husbandry

Dairy Hall

FREDERICK JAMES ALWAY, PH.D.

Head Professor of Agricultural Chemistry

Experiment Station Hall

ROLLINS ADAMS EMERSON, B.Sc.

Professor of Horticulture

Horticultural Hall

ROSA BOUTON, A.M.

Professor of Home Economics

Home Economics Hall

FRANK J. PHILLIPS, M.F.

Professor of Forestry

Nebraska Hall 105

EDWIN MEAD WILCOX, PH.D.

Professor of Agricultural Botany

Agricultural Hall 307

LEON WILSON CHASE, B.Sc.

Professor of Farm Mechanics.

Machinery Hall

*ALVIN KEYSER, A.M.

Professor of Soils

EDWARD GERRARD MONTGOMERY, A.M.

Professor of Experimental Agronomy

Experiment Station Hall

CAPT. HALSEY E. YATES, 17TH INF., U.S.A.

Commandant of Cadets and Professor of Military Science

Grant Memorial Hall

WILLIAM PATTON SNYDER, A.B., M.S.

Superintendent North Platte Experimental Substation

CHARLES WILLIAM PUGSLEY, B.Sc.

Professor of Instructional Agronomy and Farm Management

Experiment Station Hall

GEORGE EVERT CONDRA, PH.D.

Professor of Geography and Economic Geology

University Hall 7.

JAMES HARRISON GAIN, M.D.C.

Associate Professor of Animal Pathology

Agricultural Hall 103

VAL KEYSER, B.Sc.

Superintendent of Farmers' Institutes

Agricultural Hall 205

†ANNETTE ELIZABETH PHILBRICK, B.Sc.

Associate Professor of Home Economics

Home Economics Hall

* Resigned.

† Leave of absence, 1909-1910.

HARRIET FOLGER

Associate Professor of Home Economics

Home Economics Hall

JULIA EMMELINE LOUGHRIDGE, A.B.

Assistant Principal of the School of Agriculture and Adjunct Professor
of Mathematics Agricultural Hall 207

* ROLAND ELISHA STONE, M.Sc.

Assistant Professor of Agricultural Botany

Agricultural Hall 307

LAZELLE BRANTLEY STURDEVANT, A.M., M.D.

Assistant Professor of Animal Pathology

Veterinary Hall

ADJUNCT PROFESSORS, INSTRUCTORS, AND ASSIST-
ANTS IN THE COLLEGE OF AGRICULTURE

MYRON HARMON SWENK, A.M.

Adjunct Professor of Entomology and Assistant State Entomologist
Experiment Station Hall

VERNON VILAS WESTGATE, B.Sc.

Adjunct Professor of Horticulture

Horticultural Hall

PERCY BONSFIELD BARKER, A.B.

Adjunct Professor of Soils

Experiment Station Hall

ELLIS RAIL, B.Sc.A.

Adjunct Professor of Animal Husbandry

Agricultural Hall 104

ROBERT CHILDERS ASHBY, B.Sc.

Adjunct Professor of Animal Husbandry

Agricultural Hall 104

ROBERT FRANCIS HOWARD, B.S. in Agr.

Adjunct Professor of Horticulture

Assistant Horticulturalist in Experiment Station

Horticultural Hall

ROBERT SAMUEL TRUMBULL, A.M.

Adjunct Professor of Agricultural Chemistry

Experiment Station Hall

FLORA BULLOCK, A.M.

Instructor in English. Agricultural Hall 109

* Resigned.

THE UNIVERSITY OF NEBRASKA

ALVA ALDUS BAER

Instructor in Wood Work Machinery Hall

MARY VIRGINIA ZIMMER, A.B.

Instructor in Mathematics and Physics
Agricultural Hall 102

MILDRED POST, A.B.

Instructor in Home Economics
Home Economics Hall

ELLA BRADFORD HARPER, A.B.

Instructor in Home Economics
Home Economics Hall

GRACE GOLDENA DENNY, A.B.

Instructor in Home Economics
Home Economics Hall

GLAIDETH DENNY, A.B.

Assistant in German and History
Agricultural Hall 204

EDNA CLARA NOBLE, B.L.

Library Assistant Agricultural Hall

MRS. JENNIE CHAMBERLAIN HOSFORD

House Supervisor Home Economics Hall

CLAUDE KEDZIE SHEDD, A.B.

Instructor in Farm Machinery Machinery Hall

SAMUEL McKELVIE

Lecturer in Swine Judging
Agricultural Hall 103

ERWIN HOPT, B.Sc.

Assistant Instructor in the School of Agriculture
Experiment Station Hall

MRS. VADA CLEGG VENNUM

Assistant Registrar, School of Agriculture
Agricultural Hall 207

STANDING COMMITTEES OF THE FACULTY

Course of Study—Professor Davisson (chairman), Professors Bouton, Bruner, Chase, Phillips, Pugsley, Smith, Wilcox, and Mrs. Vennum (secretary).

Delinquent Students—Professor Chase (chairman), Professors Haecker, Montgomery, Phillips, and Loughbridge (secretary).

Farmers' Institutes—The Dean (chairman), Professors Haecker, Peters, Pugsley, Keyser (secretary).

Schedule of Classes—Professor Smith (chairman), Professors Chase, Pugsley.

ORGANIZATION

The College of Agriculture was established by an act of the Legislature of 1909, in a reorganization of the colleges within the University. The purpose of this College is to provide thorough instruction in the technical agricultural sciences related to agriculture, forestry, and the household arts, and to aid in the promotion of agriculture through the secondary School of Agriculture and through its Experiment Station and Farmers' Institute work.

This College includes the agricultural courses and the courses in home economics formerly offered in the Industrial College, and the course in Forestry which was formerly offered in the College of Literature, Science, and the Arts. The college courses consist of four general Groups—the General Agricultural Group, the Technical Agricultural Group, the Technical Forestry Group, and the Home Economics Group.

GENERAL AGRICULTURAL GROUP

The General Agricultural Group meets the needs of those students who desire to make practical application of their education in the management of land or who wish to prepare themselves for the pursuit of scientific investigation along some line in agriculture, such as agricultural botany, agricultural chemistry, agronomy, animal husbandry, animal pathology, dairy husbandry, entomology, forestry, horticulture, and other technical subjects related thereto. This group should also appeal to those who desire to prepare themselves for teaching in high schools or in

agricultural colleges and who desire special agricultural training to meet the demands of the schools requiring that instruction be given in agriculture. As a course in general education for students who expect to follow business pursuits or to continue still further the study of some technical agricultural subject, this course is offered as a suitable foundation. To those who desire an education which will put them in touch with the leading industrial activities of the State, the General Agricultural course will also prove most efficient.

TECHNICAL AGRICULTURAL GROUP

The Technical Agricultural Group is primarily designed for those graduates of the University School of Agriculture who desire to pursue a college course. All such students are admitted to this group without examination. This group has also been planned to give the largest amount of technical instruction upon agricultural subjects in a given time, with somewhat less opportunity to pursue general academic subjects than is afforded in the General Agricultural course. It is intended to offer in this course the largest amount of technical instruction consistent with correct educational ideals, and to fit men for the largest degree of efficiency in agricultural pursuits.

TECHNICAL FORESTRY GROUP

This group is arranged to enable young men to fit themselves for practical work in forestry. The studies are largely biological. Much attention is given to plants in general and to trees in particular. The soil in its relation

to vegetation, and the relations of climate and rainfall to the forest covering of the country, receive attention. The sciences underlying forestry are followed by studies in technical forestry. During the course, opportunity is given to spend one or more summers in some of the Government forest reserves. The students electing this course should have had preparatory botany. Graduates from other college courses who have had sufficient collateral work may complete the course in one year.

HOME ECONOMICS

The instruction in this department relates to the practical problems of home life. Special attention is given to the artistic, economic, and sociological problems which form a legitimate part of this work. Instruction is given by the lecture-laboratory method. The Home Economics course includes studies in natural sciences, language, history, physical training, and other general subjects intended to afford a good general education, while giving special efficiency in household arts and sciences.

FACILITIES FOR INSTRUCTION

To illustrate properly the work in the various departments in agriculture, the college is provided with a farm of 320 acres which is used for experimental purposes and to illustrate methods in farm practice, showing the effect of rotations and methods of treatment on the physical and chemical properties of the soil and on its productiveness. The department of Horticulture maintains an extensive orchard and garden for demonstrating horticultural methods

and practices. The departments of Animal Husbandry and Dairy Husbandry keep extensive herds for instruction in types of farm animals.

The agricultural plant, aside from lands, consists of eight main buildings and several barns and accessory buildings to complete the work and efficiency of the plant. Agricultural Hall is used for administration, library, and laboratories in Agricultural Botany. Experiment Station Hall furnishes laboratories for Soils, Entomology, and Agricultural Chemistry. The Judging Pavilion furnishes stock judging laboratories and grain judging laboratories, with exceptional facilities for work. The Agricultural Engineering building furnishes laboratories in forge work, wood work, and farm machinery. Horticultural Hall is devoted to laboratories and class rooms for horticultural instruction. Dairy Hall furnishes laboratories for instruction in buttermaking and cheesemaking, supplemented by a herd of exceptional efficiency to demonstrate the best dairy practice. Home Economics Hall furnishes laboratories for instruction in cooking and in household art. All of the technical departments giving instruction have excellent laboratory facilities and depend upon the laboratory method to give definiteness and efficiency to their instruction.

ADMISSION

Candidates are admitted by examination or on certificate from accredited high schools, academies, or colleges. Women are admitted on the same terms as men. The requirements for admission are stated below.

Although properly prepared students who cannot enter at the beginning of the year may be admitted later, all

students who can possibly do so are urged to be present at the beginning of the year. Students entering late are at much disadvantage and cannot expect to finish the course within the minimum limit except by taking work in the Summer Session.

Applicants for admission present themselves to the Registrar, who furnishes them with application blanks and directions for proceeding with their examinations, if any, with fee payments and registration.

An applicant presenting a certificate from an accredited school, academy, or high school is admitted without examination to any classes for which he is fully prepared. Any candidate for admission bringing credentials from a high school, college, or university not included in the list of schools accredited to this University must, upon making application, present his credentials to the Registrar and be prepared to take such examinations as are prescribed.

A student desiring to ascertain whether or not he can be admitted to the first year without examination should apply to the Registrar for blank credential slips. When these are properly filled out and returned, he will be informed at once whether his credentials are or are not acceptable.

ADMISSION REQUIREMENTS

For admission to the freshman class in 1909-1910 the candidate must present entrance "credits" equal to 28 "points," that is, a total of 140 recitation or "credit" hours.

Conditional admission is permitted on a minimum of 22 "points," or 110 hours. A student admitted conditionally must remove the conditions at the earliest possible oppor-

tunity. The degree will not be granted until such conditions are removed.

A "credit point" means the work of five recitations a week, of not less than forty minutes each, for at least eighteen weeks. The time element with each subject is essential.

REQUIRED SUBJECTS—17 Points

Algebra (through Logarithms), 1½ years, 5 hours a week.....	3
Rhetoric and Literature, 2 years, 5 hours a week.....	4
Geometry (plane and solid), 1½ years, 5 hours a week.....	3
Language (French, German, Greek, Latin—not more than 2 of these subjects), 2 years, 5 hours a week.....	4
Natural Science (Botany, Zoology), ½ year, 5 hours a week.....	1
Physical Science (Chemistry, Physics), 1 year, 5 hours a week.....	2

OPTIONAL SUBJECTS—11 Points

In addition to these required subjects, for which no substitutes are accepted, applicants must present eleven points from the following optional subjects:

Rhetoric and Literature, 1 year, 5 hours a week.....	2
History (general or American), 3 years, 5 hours a week.....	1 to 6
Language (ancient or modern), 3 years, 5 hours a week.....	2 to 6
Manual Training, 1 year, 5 hours a week.....	1 or 2
Mechanical Drawing, ½ year, 5 hours a week.....	1
Natural Science (Botany, Zoology), 1 year, 5 hours a week.....	1 or 2
Physical Science (Chemistry, Physics), 1 year, 5 hours a week....	1 or 2
Trigonometry (plane), ½ year, 5 hours a week.....	1
Astronomy	} Not more than 3 accepted..... 3
Civics	
Geology	
Physical Geography	
Physiology and Hygiene	
Political Economy	

All students who have completed the three-year course in the School of Agriculture shall be admitted to the Tech-

nical Agricultural Group in the College of Agriculture without examination. Young women graduating in Home Economics in the school shall be admitted to the Home Economics group in the College of Agriculture also without examination. To all others the requirements for admission are the same as for the other groups in the College.

For admission to the freshman class after September 1, 1910, the candidate must present entrance "credits" equal to 30 "points," that is, a total of 150 recitations or "credit" hours.

Conditional admission is then permitted on a minimum of 24 "points," or 120 hours.

Effective on this date, the entrance requirements are as follows:

REQUIRED SUBJECTS—17 Points

Algebra (thorough Logarithms), 1½ years, 5 hours a week.....	3
Rhetoric and Literature, 2 years, 5 hours a week.....	4
Geometry (plane and solid), 1½ years, 5 hours a week.....	3
Language (French, German, Greek, Latin—not more than 2 of these subjects), 2 years, 5 hours a week.....	4
Natural Science (Botany, Zoology), ½ year, 5 hours a week.....	1
Physical Science (Chemistry, Physics), 1 year, 5 hours a week.....	2

OPTIONAL SUBJECTS—13 Points

In addition to these required subjects, for which no substitutes are accepted, applicants must present eleven points from the following optional subjects:

*Rhetoric and Literature, 1 year, 5 hours a week.....	2
History (general or American), 3 years, 5 hours a week.....	1 to 6
Language (ancient or modern), 3 years, 5 hours a week.....	2 to 6
Manual Training, 1 year, 5 hours a week.....	1 or 2

* Two years or 4 points are allowed only to schools named by the Accredited Schools Committee.

Mechanical Drawing, $\frac{1}{2}$ year, 5 hours a week.....	1
Natural Science (Botany, Zoology), 1 year, 5 hours a week.....	1 or 2
Physical Science (Chemistry, Physics), 1 year, 5 hours a week....	1 or 2
Trigonometry (plane), $\frac{1}{2}$ year, 5 hours a week.....	1
Astronomy	} Not more than 4 accepted..... 4
Bookkeeping	
Civics	
Geology	
Physical Geography	
Physiology and Hygiene	
Political Economy	

REGISTRATION

Five days are allowed for the registration of students—from 9 a. m. Tuesday to 5 p. m. Saturday—for both the first and second semesters.

Students are required to register promptly at the beginning of each semester.

To promote prompt registration a registration fee of \$3 is charged a student who, without good reason, fails to register within the days set aside for this purpose. A like fee is charged for re-registration if made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration.

No regular student is registered for less than twelve (12) hours nor more than eighteen (18) hours a semester without the Dean's permission.

The satisfactory completion of 125 college hours above full entrance requirements is required for graduation.

Students, not candidates for degrees, may register in the College of Agriculture without conforming to the entrance requirements. The admission of special students is permitted after consultation with and upon the recom-

mendation of the Dean. Such students must pay all necessary fees.

Upon fulfilling the entrance requirements, special students may register as regular students, and become candidates for the degree.

Students cannot attend classes for which they are not registered and credit is not granted for studies pursued without registration.

No student is allowed to change from one college to another without written permission to the Registrar signed by the dean of each college concerned. A student so changing college must also pay a new matriculation fee of \$5.

No student may change his group or drop any study for which he has been regularly registered without written permission from the Dean.

Any change in a student's residence must be immediately reported to the Registrar.

A leave of absence for a short time may be granted a student by the Dean. This leave is merely a justification for absence and not an excuse from any work.

If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Registrar grants him permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

FEES AND EXPENSES

All fees and charges are payable in advance to the Secretary of the University. No part of the fees can be refunded

to a student who leaves after the beginning of the fourth week of a semester or session. Any refunds should be called for at the time of withdrawal from a class or from the University.

The matriculation fee, being a statutory one, cannot be refunded except where collected through error.

The schedule of fees in the College of Agriculture is as follows:

MATRICULATION

Matriculation \$5

This fee is charged to each student upon first entering, and is also charged each student changing membership from one college to another.

NON-RESIDENT

Non-resident fee, each semester.....\$15

This fee is charged to each person not a resident of the state on registering as a student in this college.

INCIDENTAL

Incidental fee, each semester..... \$3

LIBRARY

Library fee, each semester..... \$1

This fee is charged to each student who does not pay a laboratory fee.

LABORATORY

The laboratory fees vary according to the individual courses taken, and are charged to cover the cost of the material used.

SPECIAL REGISTRATION

Special registration fee..... \$3

This fee is charged to any student not excused for cause by the Chancellor, who for any reason seeks to register or

re-register later than the fifth week day of any semester. Any modification whatever of a registration is regarded as a re-registration.

SPECIAL EXAMINATIONS

Each course, general colleges..... \$1

DIPLOMA

Diploma fee, first degree \$5
 Diploma fee, advanced degree 10
 Diploma fee, *in absentia*, additional..... 10
 Certificates 1

No person is granted a degree until he has paid all dues, including the fee for diploma.

EXPENSES

In Lincoln board and lodging may be secured in private families for from \$3 to \$5 a week. There are also numerous student clubs. The Young Men's Christian Association and the Young Women's Christian Association of the University keep lists of boarding places. The Young Men's Christian Association of the University also maintains under the direction of the Registrar an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

COLLEGE REQUIREMENTS

MAJOR SUBJECTS REQUIRED FOR GRADUATION

Upon entering his junior year a student must choose a major subject and must offer at least ten hours credit in the department in which this major subject is chosen before he shall be recommended for graduation.

Registration in agricultural subjects must be made by the student at the beginning of the year in which the subjects are taken.

THE GENERAL AGRICULTURAL GROUP

	FIRST YEAR	1st Semester Hours	2d Semester Hours
Animal Husbandry 1, 3.....		4	
Dairy Husbandry 2			4
*Chemistry 1, 2 (A and S).....		2	2
*French or German (A and S).....		5	5
Botany 1, 2		3	3
*Rhetoric 1, 2 (A and S).....		2	2
Military Drill		1	1
		<hr/> 17	<hr/> 17
SECOND YEAR			
Horticulture 1		3	
Horticulture 2, or Animal Husbandry 5 and Animal Pathology			3
*Physics 1, 2 (A and S).....		3	3
*Rhetoric 5, 6 (A and S).....		3	3
*Mathematics 1 (A and S).....		5	
Agronomy 1, 2			4
*Geography 1, 28 (A and S).....		2	2
Military Drill		1	1
		<hr/> 17	<hr/> 16
THIRD YEAR			
Agronomy 7, 9		4	
Agronomy 3			2
Forestry 1		2	
*Geography 4 (A and S).....			2
*English Literature 1, 2 (A and S).....		3	3
Electives, at least ½ Agricultural Subjects.....		6	8
		<hr/> 15	<hr/> 15
FOURTH YEAR			
†Agricultural Subjects		6	6
Political Economy (A and S).....		3	
Agricultural Economics			3
Electives		5	5
		<hr/> 14	<hr/> 14

* Required courses not given in the College of Agriculture are marked with the initials of the college in which they are offered; *e. g.*, (A and S) indicates that the subject is offered in the College of Arts and Sciences; (E) in the College of Engineering.

† The "Agricultural Subjects" include Agricultural Botany, Agricultural Chemistry, Agricultural Geology, Agronomy, Animal Husbandry, Dairy Husbandry, Forestry, Horticulture, Economic Entomology, Farm Mechanics, Agricultural Pedagogy.

***THE TECHNICAL AGRICULTURAL GROUP**

	FIRST YEAR	1st Semester Hours	2d Semester Hours
Chemistry 1, 2 (A and S).....		2	2
†Agricultural Subjects		3	3
Botany 1, 2		3	3
Rhetoric 1, 2 (A and S).....		2	2
French or German (A and S).....		5	5
Military Drill		1	1
		<hr/> 16	<hr/> 16
SECOND YEAR			
†Agricultural Subjects		2	2
Science		5	5
†French or German (A and S).....		5	5
Rhetoric 5, 6 (A and S).....		3	3
Military Drill		1	1
		<hr/> 16	<hr/> 16
THIRD YEAR			
†Agricultural Subjects		5	5
Science		5	5
Literature (A and S)		5	5
		<hr/> 15	<hr/> 15
FOURTH YEAR			
†Agricultural Subjects (Including Thesis).....		5	5
Political Economy (A and S).....		3	
Agricultural Economics			3
Electives		8	7
		<hr/> 16	<hr/> 15

* In order to graduate from this course students must have forty (40) hours in Agricultural Subjects, including those accepted for entrance credits. (A and S) indicates that the subject is offered in the College of Arts and Sciences; (E) in the College of Engineering.

† The "Agricultural Subjects" include Agricultural Botany, Agricultural Chemistry, Agricultural Geology, Agronomy, Animal Husbandry, Dairy Husbandry, Forestry, Horticulture, Economic Entomology, Farm Mechanics, Agricultural Pedagogy.

‡ Students who have entrance credit for one year of language may elect Agricultural Subjects in lieu thereof.

THE TECHNICAL FORESTRY GROUP

	FIRST YEAR	1st Semester	2d Semester
		Hours	Hours
Modern Language		5	5
General Botany 1, 2		3	3
Chemistry 1, 2 (A and S).....		2	2
Rhetoric 1, 2 (A and S).....		2	2
Forestry 1		2	
General Entomology 1, 2		2	2
Meteorology (Geography 4)			2
Military Drill		1	1
		<hr/> 17	<hr/> 17

SECOND YEAR

Systematic Botany 13, 14.....	2	4
Physics 1, 2 (A and S).....	3	3
Horticulture 1, 2.....	3	3
Rhetoric 5, 6 (A and S).....	3	3
Mathematics 1 (A and S).....	5	
Botany 34 (Study of Woods).....		2
Military Drill	1	1
	<hr/> 17	<hr/> 16

THIRD YEAR

Botany 19, 20	5	5
Forestry 3, 4	3	3
Civil Engineering 5, 30 (Surveying) (E).....	4	2
Applied Mechanics 19, 20 (Timber Physics) (E)...	2	2
Geography 1, 2	2	2
Electives		1
	<hr/> 16	<hr/> 15

FOURTH YEAR

Forestry 5, 6	2	2
Forestry 7, 8	2	2
Political Economy 1 (A and S).....	3	
Soils 1, 3	2	2
General Geology 1, 28 (A and S).....	3	2
Entomology 11	2	
Botany 41 (Dendrology)		3
Thesis		2
	<hr/> 14	<hr/> 13

THE GENERAL HOME ECONOMICS GROUP

	1st Semester Hours	2d Semester Hours
FIRST YEAR		
Rhetoric 1, 2 (A and S).....	2	2
Language (Ancient and Modern) (A and S).....	5	5
Chemistry 1, 2 (A and S).....	2	2
History (A and S).....	3	3
Home Economics 1, 2	3	3
Physical Training	1	1
	<hr/> 16	<hr/> 16
SECOND YEAR		
Home Economics 3, 4	3	3
Chemistry 3, 4 (A and S).....	3	3
Botany 1, 2	3	3
Language (Ancient or Modern) (A and S).....	3 to 5	3 to 5
Rhetoric or English Literature (A and S).....	4 to 2	4 to 2
Physical Training	1	1
	<hr/> 17	<hr/> 17
THIRD YEAR		
Home Economics 5, 6.....	3	3
Chemistry of Food 13, 14 (A and S).....	3	3
Physical Education 1, 6a (A and S).....	2	2
Electives	4	5
Philosophy 1, 6 (A and S).....	3	2
	<hr/> 15	<hr/> 15
FOURTH YEAR		
Home Economics 7, 8.....	3	3
Home Economics 9, 10.....	3	3
Electives	9	9
	<hr/> 15	<hr/> 15

INSTRUCTION GIVEN AT THE UNIVERSITY FARM

Instruction in Agricultural Botany, Agricultural Chemistry, Agronomy, Animal Husbandry, Dairy Husbandry, Entomology, Home Economics, and Horticulture is given at the University Farm, where special laboratories and equipment are available for this work.

COURSES OF INSTRUCTION

THE COLLEGE OF AGRICULTURE

Students are advised to consult the heads of departments before registering.

For courses that may be chosen to apply as "Electives" see the general "Courses of Instruction" of the College of Arts and Sciences, the College of Engineering, and the Teachers College.

Courses included between brackets are not given in 1909-1910.

AGRICULTURAL BOTANY

PROFESSOR WILCOX, ASSISTANT PROFESSOR STONE

FOR UNDERGRADUATES AND GRADUATES

1. **Elementary Plant Pathology**—A broad survey of the development and present condition of our knowledge of plant disease. Special attention will be given to diseases having their origin in malnutrition and unfavorable chemical and physical factors. The most typical and important diseases of our leading cultivated plants will be described in some detail.

The laboratory work will acquaint the student with the current technique including the preparation and use of culture media, the establishment of pure cultures and artificial inoculation. Three hours lecture. Six hours laboratory. Three hours credit. Students are advised to take Botany 15, 16 and 19, 20 before or with this course.

PROFESSOR WILCOX

2. **Elementary Plant Pathology**—1 continued. Second semester.
3. **General Plant Pathology**—Prerequisite, Agricultural Botany 7, 8. An advanced course of lectures designed to furnish such a broad

working basis as to enable one to engage in original research in plant pathology. The following are some of the subjects to be discussed; the physiology and cytology of resistance and immunity, origin of parasitism, specialization, epidemics and climatic factors, etc. Two hours lecture. Four hours reading. Two hours credit. First semester. PROFESSOR WILCOX

4. **General Plant Pathology**—3 continued. Second semester.
5. **Seed Testing**—Methods of seed analysis including quantitative and qualitative methods of making purity determinations. Identification of foreign seeds. Liability and purity tests of the seeds of the principal cereals, forage crops, and horticultural crops. Two hours credit. First semester. PROFESSOR WILCOX
6. **Seed Testing**—5 continued. Second semester.
7. **Forest Plant Pathology**—A special course designed to furnish information as to the principal diseases of forest trees. Three hours lecture. Four hours laboratory. Three hours credit. First semester. PROFESSOR WILCOX

FOR GRADUATES

9. **Problems in Plant Pathology**—Prerequisite: Agricultural Botany 7, 8 and 9, 10. Assigned problems in plant pathology. Laboratory work with hours for consultation. Two to five hours credit. First semester. PROFESSOR WILCOX
10. **Problems in Plant Pathology**—9 continued. Second semester.
11. **Problems in Plant Physiology**—Assigned problems in the nutrition, growth, irritability or reproduction of plants. Laboratory work with hours for consultation. Two to five hours credit. Prerequisite: Agricultural Botany 3 or Botany 19, 20. PROFESSOR WILCOX
12. **Problems in Plant Physiology**—11 continued. Second semester.

SCHOOL OF AGRICULTURE

- A. **Elementary Agricultural Botany**—Elementary study of types of plants selected as far as possible with reference to their economic importance in agriculture. One hour lecture. Four hours laboratory. Three hours credit. First semester. PROFESSOR WILCOX, ASSISTANT PROFESSOR STONE
- B. **Elementary Agricultural Botany**—A continued. Second semester.

- C. **Elementary Plant Physiology**—An elementary study of the growth, nutrition, irritability and reproduction of plants with special reference to the application of these facts to plant culture. Two hours lecture. Two hours laboratory. Two hours credit. First semester. PROFESSOR WILCOX
- D. **Elementary Plant Pathology**—An elementary study of the more common diseases of cultivated plants; the best methods of controlling these by spraying, proper methods of cultivation, use of resistant varieties, etc., will be discussed. Two hours laboratory. Two hours lecture. Second semester. PROFESSOR WILCOX
- E. **Home Economics Botany**—An elementary study of the bacteria, yeasts and fungi in the home. Two hours lecture. Four hours laboratory. Three hours credit. First semester. PROFESSOR WILCOX, ASSISTANT PROFESSOR STONE
- F. **Home Economics Botany**—An elementary study of the microscopy and adulteration of vegetable food products. Two hours lecture. Four hours laboratory. Second semester. PROFESSOR WILCOX, ASSISTANT PROFESSOR STONE

GENERAL BOTANY

HEAD PROFESSOR BESSEY, ADJUNCT PROFESSOR POOL, MISS WALKER

1. **General Botany**—Introduction to structure of plants (cells, tissues, tissue systems). General morphology and physiology of representative species, including blue-green and green algae. Three hours lecture and additional readings. Four hours laboratory. Three hours credit. First semester. HEAD PROFESSOR BESSEY, MISS WALKER
2. **General Botany**—The general morphology and physiology of representative species of brown algae to flowering plants. Three hours lecture and additional readings. Four hours laboratory. Three hours credit. Second semester. HEAD PROFESSOR BESSEY, MISS WALKER
13. **Flowering Plants**—Principles of classification, and their application to the Monocotyledons. Two hours lecture. Four to twenty hours laboratory work in the field and herbarium. Two to six hours credit. First semester. HEAD PROFESSOR BESSEY

14. **Flowering Plants**—Principles of classification, and their application to the Dicotyledons. Otherwise as in course 13. Second semester. HEAD PROFESSOR BESSEY
19. **Plant Physiology**—An introductory study of the processes and functions of plants. Including imbibition; osmosis; absorption; the relation of the soil and of solutes to the plant; the movement of substances in the plant body; transpiration; stomatal relations; maintenance of bodily form; turgor; secretion; waste products. Three hours attendance. Six hours laboratory. Three hours credit. First semester. ADJUNCT PROFESSOR POOL
20. **Plant Physiology**—Photosynthesis; the question of the manufacture and assimilation of foods; the storage and digestion of foods; respiration; growth and movement with special reference to the influence of external factors upon these phenomena; irritability; stimulus and response; death of plants. Three hours attendance. Three hours credit. Six hours laboratory. Second semester. ADJUNCT PROFESSOR POOL
34. **The Study of Woods**—Structure, growth-rings, heart wood, sap wood, soft woods, hard woods, porosity, grain, knots, density, durability. Two hours lecture. Two to four hours laboratory. Two hours credit. Second semester. INSTRUCTOR ———
36. **Dendrology**—Review of the morphology and physiology of the tree. Forest regions, forest types, and forest trees of North America. Biological relations. Distribution. Economic importance. Three hours attendance. Six hours in the laboratory, field, and herbarium. Three hours credit. Second semester. INSTRUCTOR ———

AGRICULTURAL CHEMISTRY

HEAD PROFESSOR ALWAY, ADJUNCT PROFESSOR TRUMBULL

All courses in the department are given in the Chemical laboratories in Experiment Station Hall.

Undergraduate Work—Courses 4 and 6 are open to undergraduates who previously have had sufficient training in chemistry. On account of the varied nature of the problems presenting themselves in agricultural chemistry students are urged to acquire as thorough a training as possible in inorganic, organic, analytical, and physical chemistry before

specializing in this department. Only those whose training in pure chemistry has been thorough may hope to succeed in dealing with problems in agricultural chemistry.

Graduate Work—The courses outlined below may be taken as graduate work. In addition to these graduate students may select problems in the chemistry of soils or in the chemistry of plants. The nature of the problem assigned to any particular student depends both upon his previous training and upon the lines of investigation in progress at the Experiment Station. The candidates for an advanced degree should have completed courses 3, 4, 7, 8, 15, 25 and 27 in chemistry as well as courses 4 and 6 in agricultural chemistry.

COURSES

4. **Analysis of Agricultural Products**—A course in the quantitative analysis of grains, flours, fruits, dairy products, sugar beets and fodders. Prerequisite: courses 1, 2, 3, 4, 7 and 8 in Chemistry, or their equivalent. One hour attendance. Five hours laboratory. Two hours credit. Second semester. HEAD PROFESSOR ALWAY
6. **Analysis of Soils and Fertilizers**—A course in the quantitative analysis of soils, fertilizers. Prerequisite: courses 1, 2, 7 and 8 in Chemistry, or their equivalent. One hour attendance. Five hours laboratory. Two hours credit. Second semester.

HEAD PROFESSOR ALWAY

SCHOOL OF AGRICULTURE COURSES

- A. **Elementary Agricultural Chemistry**—General principles of chemistry. Special emphasis upon chemistry of agriculture. Three hours attendance. Six hour laboratory. Three hours credit. First semester.

HEAD PROFESSOR ALWAY, ADJUNCT PROFESSOR TRUMBULL

- B. **Elementary Agricultural Chemistry**—A continued. Second semester.

AGRICULTURAL EDUCATION

I. AGRICULTURAL ECONOMICS

HEAD PROFESSOR DAVISSON

Beginning by calling attention to the fact that Agricultural Economics consists in applying the principles of general economics to

the production, distribution, and consumption of agricultural wealth, the course deals with:

The factors of agricultural production; the economic properties of the factors of production; the guiding principle in the organization of the farm; the organization and size of the farm; the forces and conditions which determine the prices of agricultural products; the distribution of wealth with especial reference to the rent of farm land and to the conditions which enable farmers to save from their earnings; the principles to be followed in estimating the value of farm land and equipment.

All conditions which contribute to the efficiency of labor are considered; these include careful consideration of those things which must characterize rural environment in order that the health of the dwellers therein may be assured and their strength be of that quality so essential to him who works on the farm; the mental qualities which must be looked for in farm laborers and what sort of educational material must be provided in order that ideal mental qualities may be induced; agricultural education is discussed as a means by which the efficiency of those who work on the farm may be increased; how the principles of division of labor may be used on the farm is given careful treatment. The systems of distribution by which farm labor may be reimbursed for the sacrifices made are discussed with a view to determining whether cooperation between employer and laborer is an advantage to agricultural production or the contrary.

The law of diminishing returns from the land is discussed under the eight topics usually assigned by Economists as a means by which its operation may be in a measure prevented; the connection between it and the Law of Malthus is emphasized and here again agricultural education is discussed with reference to its necessity for people in general in order that the proper foundations of an enduring civilization may be laid.

The last general subject to be considered is distribution. The systems of distribution are carefully defined and the student is led to determine which in his opinion is the best. The marketing of farm products is given careful consideration. Whether agricultural products should find a home market or an international one is given detailed discussion. The ultimate system of distribution and of agricultural industry that must be adopted in order that the highest agricultural

development may take place is considered as carefully as time will permit.

Rural sociology is investigated and all phases of rural life studied for the purpose of giving the student an adequate notion of what conditions now prevail in rural communities, and of what should be done in order to improve and make them ideal.

Senior year. Second semester. Three hours attendance. Three hours credit.

II. AGRICULTURAL PEDAGOGY

HEAD PROFESSOR DAVISSON

The subject matter which characterizes the various subjects for instruction in agriculture is given careful consideration, the first purpose being to give the student, even though he has not taken all the subjects known as agricultural, a general concept of what agricultural education means.

Each subject is then taken up and discussed with the view of determining its educative value. In this portion of the subject the student must become familiar with the elementary terms used in educational psychology.

The best methods of imparting instruction in agricultural subjects to rural and to high school students are then considered. The knowledge which should precede the study of every agricultural subject is carefully discussed, for too often attempts are made by teachers in rural schools to give agricultural instruction without having built a proper foundation.

The time which should be devoted to agriculture in the rural schools and in the high school and what materials can best be used for instruction are discussed, and an attempt is made to formulate a rational system of instruction which will, with the ordinary scientific subjects of the high school, constitute an organic whole.

Senior year. First semester. Two hours attendance. Two hours credit.

AGRONOMY AND FARM MANAGEMENT

PROFESSOR FUGSLEY, (PROFESSOR MONTGOMERY.) ADJUNCT PROFESSOR
BARKER, MR. HOPT

Students should have at least one year's work in Botany, Chemistry and Geology. Courses are offered to meet the needs of (1) those students taking general cultural courses, or interested in farm operations

or the management of land; (2) those fitting themselves to be agricultural teachers or investigators.

Excellent opportunities are offered for graduate students who desire to take up research work. Training in natural and physical sciences is necessary for students taking graduate work. Lines of research work are open to students of this class upon consultation with the head of the department. Graduate courses will also be found under Experimental Agronomy.

COURSES

FOR UNDERGRADUATES AND GRADUATES

2a. Cereal Crops—Classification and methods of improvement of cereal crops, their adaptability and distribution, time and methods of seeding, harvesting and cultivating. To be taken in connection with course 2b. Two hours attendance. Two hours credit. Second semester.

PROFESSOR PUGSLEY

2b. Grading and Judging Grains—Laboratory practice in describing, scoring, judging and inspecting cereals by outlines and score cards. Methods of breeding to improve these cereals. To be taken in connection with course 2a. Four hours laboratory. Two hours credit. Second semester.

PROFESSOR PUGSLEY AND ASSISTANTS

3. Farm Management—Dealing with farm problems such as farm location, equipment, labor, marketing, accounting. Should be preceded by courses 2a, 4 (or what was formerly Field Crops, and Soils 1 and 2), 7 and 9. Two hours attendance. Two hours credit. First semester.

PROFESSOR PUGSLEY

4. Forage Crops—Classification and method of improvement of forage crops, their adaptability and distribution, methods of seeding and harvesting, treatment of pastures. Must be preceded by course 2a. Two hours attendance. Two hours credit. Second semester.

PROFESSOR PUGSLEY

5. Advanced Field Crops—Study of methods of crop treatment, commercial grading of grains and hays—lectures, laboratories and readings. Prerequisite: courses 2a, 2b, 4, 7 and 9. Two to ten hours. One to five hours credit. First semester.

PROFESSOR PUGSLEY

6. **Advanced Field Crops**—5 continued. Second semester.
7. **Soils**—Origin, nature and properties of soils, their relation to plant growth and crop production. Should accompany course 9. First semester. Two hours attendance. Two hours credit.

ADJUNCT PROFESSOR BARKER

8. **Soils**—7 continued. Second semester.
9. **Soil Physics**—Physical properties, weight, pore space, specific gravity, soil moisture, soil temperature, effect of various forms of tillage on plant growth. Should accompany Course 7. Laboratory, four to eight hours attendance. Two to four hours credit. First semester.

ADJUNCT PROFESSOR BARKER AND ASSISTANTS

10. **Soil Physics**—9 continued. Mechanical analysis and elementary soil mapping. Second semester.
11. **Soil Management**—Principles governing the management of land, crop systems, tillage, rotations, manuring, fertilizing, drainage and aeration. Prerequisite: courses 2a, 4, 7 and 9. Two hours attendance. Two hours credit. First semester.

PROFESSOR PUGSLEY, ADJUNCT PROFESSOR BARKER

12. **Soil Management**—11 continued. Lectures, readings, laboratory. Two hours credit. Second semester.
13. **Soil Fertility**—Factors influencing the productive capacity of lands. Lectures, readings, and laboratory. Credit according to work. To be arranged with head of department and assistant. Prerequisite: courses 2a, 4, 7 and 9. First semester.

ADJUNCT PROFESSOR BARKER

14. **Soil Fertility**—13 continued. Second semester.

EXPERIMENTAL AGRONOMY

PROFESSOR MONTGOMERY (PROFESSOR PUGSLEY), MR. HOPT

The courses offered in this department are intended primarily for those desiring to take up advanced work in Agronomy. Extensive lines of investigation are under way and opportunity is offered to work up some special line. All general courses in Farm Management are prerequisite. Students taking this work are expected to spend the summer season on the experimental farm, for which a moderate compensation is allowed. Only a limited number of students can be accommodated.

1. **Investigation**—Satisfactory work on some special line of investigation with assigned readings. Four to twenty hours laboratory. Thesis required. Two to five hours credit. First semester.

PROFESSOR MONTGOMERY

2. **Investigation**—Continuation of 1. Second semester.

3. **Methods of Investigation**—Compilation of experimental data. Correlation tables. Statistical methods. Four to twenty hours laboratory. Two to five hours credit.

PROFESSOR MONTGOMERY

4. **Methods of Investigation**—Continuation of 3. Second semester.

SCHOOL OF AGRICULTURE

- A. **Crop Production**—History, composition, improvement, production, and disposal of principal cereal and forage crops with special reference to Nebraska conditions. Three hours attendance. Three hours credit. First semester.

PROFESSOR PUGSLEY, MR. HOPT

- B. **Crop Production**—A continued. Second semester.

- C. **Plant Laboratory**—Instruction in types, varieties, and quality of cereals, judging by score cards. Identification of grass and legumes and weed seeds. Four hours laboratory. Two hours credit. First semester.

MR. HOPT AND ASSISTANTS

- D. **Plant Laboratory**—C continued. Second semester.

- E. **Farm Management**—Practical farm problems, such as, location, laying out, equipment, system of rotation, and marketing. One hour attendance. One hour credit. First semester.

PROFESSOR PUGSLEY

- F. **Farm Management**—E continued. Second semester.

- G. **Soil Tillage and Management**—Order, deposition and natural transportation of soils, physical and chemical constitution of soils and subsoils, size of soil particles in relation to drainage, aeration, water storage and capillarity. Two hours attendance. Two hours credit. First semester.

PROFESSOR PUGSLEY, ADJUNCT PROFESSOR BARKER

- H. **Soil Tillage and Management**—G continued. Second semester.

- I. **Soil Laboratory**—Formation of soil from rock, study of texture and its influence on plant growth. Humus, soil moisture, move

ment of air, specific gravity and volume weight. Four hours laboratory. Two hours credit. First semester.

ADJUNCT PROFESSOR BARKER AND ASSISTANTS

J. Soil Laboratory—I continued. Second semester.

ANIMAL HUSBANDRY

HEAD PROFESSOR SMITH, ADJUNCT PROFESSOR ASHBY, ADJUNCT PROFESSOR RAIL, INSTRUCTOR ———

PRIMARILY FOR UNDERGRADUATES

1. **Breeds of Live Stock**—History of different breeds of live stock. Methods in development of breeds. Characteristics and adaptability of improved breeds. Must be accompanied by course 3. Two hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR ASHBY

2. **Principles of Animal Breeding**—Theory and practice of animal breeding, variation, correlation, heredity, prepotency and selection. Grading, crossing, line breeding, and inbreeding, pedigrees. Two hours attendance. Two hours credit. Second semester.

ADJUNCT PROFESSOR RAIL

3. **Judging Live Stock**—Practice with the score card. Competitive judging of classes by ages of horses, cattle, sheep, and swine. Must be accompanied by course 1. Two hours credit. Four hours attendance.

ADJUNCT PROFESSOR ASHBY

4. **Judging Live Stock**—Continuation of course 3, which must precede it. One hour attendance. One hour credit. Second semester.

HEAD PROFESSOR SMITH

5. **Animal Nutrition**—General composition of animal body. Composition and digestibility of foods. Digestion, absorption, and excretion. Feeding standards. Methods of feeding all classes of farm animals. Influence of food on animal form and on quality of meat, milk, and animal products. Two hours attendance. Two hours credit. Second semester.

HEAD PROFESSOR SMITH

6. **Animal Nutrition**—5 continued. Advanced course. Review of recent bulletins on feeding. Methods employed in conducting experiments in feeding. Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR SMITH

7. **Judging Live Stock**—Advanced course. Prerequisite: courses 3 and 4. Two hours attendance. One hour credit. First semester. HEAD PROFESSOR SMITH
8. **Judging Live Stock**—Continuation of 7 and must be preceded by it. Two hours attendance. One hour credit. Second semester. HEAD PROFESSOR SMITH
9. **Judging Live Stock**—Continuation of 8. Two hours attendance. One hour credit. First semester. HEAD PROFESSOR SMITH
10. **Animal Nutrition**—Seminar. Must be preceded by 5 and 6. Two hours attendance. One hour credit. Second semester. HEAD PROFESSOR SMITH

SCHOOL OF AGRICULTURE COURSES

- A. **Breeds and Live Stock Judging**—History and development of horses, breeds of cattle, sheep, and swine. Judging breeds by the score card and by competitive methods. Selecting animals for feeding purposes, judging meat carcasses. Three hours attendance. Three hours credit. First and second semesters.
PROFESSOR SMITH, ADJUNCT PROFESSOR ASHBY,
ADJUNCT PROFESSOR RAIL, INSTRUCTOR ———
- B. **Principles of Breeding**—Elementary study of heredity, variation, and selection; prepotency; effect of pure-bred animals in improving common types. Three hours attendance. Three hours credit. First and second semesters.
ADJUNCT PROFESSOR RAIL
- C. **Feeding Live Stock**—Elementary discussion of composition of animal body and of foods. Influence of food on animal form. Economical feeding of farm animals. Five hours attendance. Five hours credit. Second semester.
PROFESSOR SMITH, ADJUNCT PROFESSOR ASHBY
- D. **Judging Live Stock**—Advanced course for third year students. Prerequisite: course 8. One hour attendance. One hour credit. First semester.
PROFESSOR SMITH, ADJUNCT PROFESSOR RAIL
- E. **Judging Live Stock**—D continued. Second semester.

ANIMAL PATHOLOGY

HEAD PROFESSOR PETERS, ASSOCIATE PROFESSOR GAIN

2. **Diseases of Farm Animals**—Causes and prevention of animal diseases. Emergency treatment and minor surgery. Two hours attendance. Two hours credit. Second semester.

ASSOCIATE PROFESSOR GAIN

SCHOOL OF AGRICULTURE COURSES

- A. **Anatomy and Physiology**—Study of skeletons of horse and cow. Anatomy of digestive system and physiology of digestion. Circulatory system and study of blood. Three hours attendance. Three hours credit. First semester.

ASSOCIATE PROFESSOR GAIN

- B. **Anatomy and Physiology**—Respiration. The nervous system. The senses. The foot. Generation and development. Three hours attendance. Three hours credit. Second semester.

ASSOCIATE PROFESSOR GAIN

- C. **Diseases of Farm Animals**—Hereditary diseases. Diseases of respiratory system. Prevention of digestive diseases. Minor emergency surgery. Prerequisite: Anatomy and Physiology 1 and 2. Three hours attendance. Three hours credit. First semester.

HEAD PROFESSOR PETERS, ASSOCIATE PROFESSOR GAIN

- D. **Diseases of Farm Animals**—Contagious diseases. Hygiene and Farm Sanitation. Three hours attendance. Three hours credit. Second semester.

HEAD PROFESSOR PETERS, ASSOCIATE PROFESSOR GAIN
(Offered in the course for women in the School of Agriculture.)

- E. **Elements of Physiology**—Bones of Skeleton. Digestion. The circulatory system. Respiration. The senses. Drugs and stimulants. Two hours attendance. Two hours credit. First semester.

- F. **Hygiene and Sanitation**—Personal hygiene. Domestic hygiene. Ventilation and water supply. Public hygiene. Two hours attendance. Two hours credit. Second semester.

DAIRY HUSBANDRY

HEAD PROFESSOR HAECKER

2. **General Survey of Home Dairying**—Composition of milk and dairy products. Production, handling, testing, and uses of milk. The creaming of milk by centrifugal separators. Ripening, testing, and churning of cream. Making, scoring, and marketing butter; cheese making. Dairy Stock breeding, feeding and judging. Two hours attendance. Three hours laboratory. Four hours credit. Second semester. HEAD PROFESSOR HAECKER
3. **Dairy Stock Judging**—A special course in dairy stock judging. Work given with the four dairy breeds—Ayrshires, Guernseys, Holsteins, and Jerseys. Two hours attendance. One hour credit. First semester. HEAD PROFESSOR HAECKER
4. **Economic Dairying**—Advanced study in dairy husbandry. Prerequisite: course 2. Text-book, with readings in station bulletins and publications and judging dairy stock by score card. Two hours attendance. Two hours credit. Second semester. HEAD PROFESSOR HAECKER
6. **Dairy Husbandry**—Prerequisite: courses 2 and 4. Advanced studies in experiment station findings. A reading course with one lecture a week. Three hours credit. Second semester. HEAD PROFESSOR HAECKER

SCHOOL OF AGRICULTURE COURSES

- A. **General Study of Home Dairying**—Secretion, composition and production of milk. Practice with the various centrifugal hand-separators. Butter making, milk and cream testing. Two hours attendance. Four hours laboratory. Two hours credit. First term. HEAD PROFESSOR HAECKER
- B. **General Study of Home Dairying**—A continued. Practice with the lactometer. Cheese making. Care and judging of dairy stock. Milk and its products. Two hours attendance. Four hours laboratory. Two hours credit. Second term. HEAD PROFESSOR HAECKER

ENTOMOLOGY

HEAD PROFESSOR BRUNER, ADJUNCT PROFESSOR SWENK

Courses 1 and 2, or their equivalents, must precede all other courses in entomology except 3 and the school of agriculture courses.

Courses 5, 7, 12 and 13 may be taken in the second semester as well as the first.

GRADUATE WORK

A candidate for the degree of Master of Arts in entomology must have had Zoology 1 and 2, or their equivalents, in addition to Entomology 1 and 2. He should be able to read Latin and either French or German, or both.

MASTER OF ARTS

As his major for the degree of Master of Arts the student may choose either courses 5 and 6 or 7 and 8. He may elect his first and second minors from the other courses offered in this department or from the courses offered as graduate studies in the department of zoology.

The work in this department is of so technical a nature that each student should consult with the head of the department before registering for graduate work.

COURSES

FOR UNDERGRADUATES

1. **General Entomology**—Structure, development and transformations of insects. Two hours attendance. Four hours laboratory. Two hours credit. First semester. HEAD PROFESSOR BRUNER
2. **General Entomology**—1 continued. In addition, the collection and classification of insects. Six hours laboratory and field work. Two hours credit. Second semester.
3. **Economic Entomology**—Life-histories and habits of insect pests, with remedies. Two hours attendance. Four hours laboratory and field work. Two hours credit. First and second semesters. HEAD PROFESSOR BRUNER
11. **Forest Entomology**—Insects of the forest. One hour attendance. Five hours laboratory and field work. First semester. HEAD PROFESSOR BRUNER

FOR UNDERGRADUATES AND GRADUATES

5. **Systematic Entomology**—Field and laboratory work, with special groups. One or more hours credit. First semester. HEAD PROFESSOR BRUNER
6. **Systematic Entomology**—5 continued. Second semester.

7. **Advanced Economic Entomology**—A study of all the insects affecting any host plant or group of plants, or other special topic. Laboratory and field work. One or more hours credit. First semester. HEAD PROFESSOR BRUNER
8. **Advanced Economic Entomology**—7 continued. Second semester.
12. **Special Training Course**—Intended to prepare students as government or experiment station investigators in entomology. Admission by consent of instructor. Two hours lecture. Ten or more hours laboratory and field work. Four or more hours credit. First and second semesters. HEAD PROFESSOR BRUNER
13. **Medical Entomology**—A study of insects in their relation to certain human diseases. One hour attendance. Three hours laboratory. One hour credit. First semester.

HEAD PROFESSOR BRUNER

SCHOOL OF AGRICULTURE

- A. **Agricultural Entomology**—Insects in their relation to agriculture. *For men.* Two hours lecture. First semester. ADJUNCT PROFESSOR SWENK
- A1. **Agricultural Entomology**—Course A continued, taking up the principal insect pests of our crops. Second semester.
- B. **Domestic Entomology**—Insects in their relation to the household. *For women.* Two hours lecture. First semester. ADJUNCT PROFESSOR SWENK
- B1. **Domestic Entomology**—Course B continued. Second semester.
- C. **Farm Entomology**—An abridgement of courses A and A1 for students in the winter course. Sixteen lectures.

ADJUNCT PROFESSOR SWENK

FARM MECHANICS

PROFESSOR CHASE, MR. SHEDD, MR. BAER, MR. SJOGREN

The following courses are primarily for undergraduates in engineering and the general and technical agricultural groups:

1. **Farm Machinery**—A part of former course 3. All lines of agricultural implements, tillage, grading, seeding, harvesting, threshing, pumping and fertilizing machinery. The uses of concrete, field work with implements and the traction dynamometer. Pre

requisite: Physics 1 and 2; mathematics 1. One hour attendance, six hours laboratory, three hours credit. First semester. Laboratory fee, \$3.00. PROFESSOR CHASE, MR. SHEDD

2. **Farm Motors**—A part of former course 3. All classes of Farm Motors, the horse, windmill, steam boilers, steam engines, traction engines, gasoline engines, electric motors, and water motors, the measurement of power, economy tests, etc. One hour attendance, six hours laboratory. Three hours credit. Second semester. Laboratory fee, \$4.00. PROFESSOR CHASE, MR. SHEDD

3. **Rural Architecture**—The laying out of farms, the study of houses, barns, granaries, sheds, fences, equipment, water systems, sewage, etc. One hour attendance. Six hours laboratory. Three hours credit. Laboratory fee, \$1.00. First semester.

PROFESSOR CHASE

4. **Farm Drainage and Rural Highways**—A study of methods of drainage, estimates, laying out drainage systems, etc. A study of the highways of Nebraska, construction and reconstruction, haulage, and highway laws. The first half of the time of this course is given to drainage, and the second half to highways. One hour attendance, six hours laboratory, three hours credit. Laboratory fee, \$2.00. PROFESSOR CHASE, MR. SHEDD

SCHOOL OF AGRICULTURE

- A. **Wood Work**—Practice with the care, use and adjustment of tools. Exercises in Bench work. Four hours attendance. Two hours credit. First term. Laboratory fee, \$2.00. MR. BAER

- B. **Wood Work**—Farm Building Construction. Prerequisite: course A. Four hours attendance. Two hours credit. Second term.

MR. BAER

- C. **Forge Work**—Practice in forging, welding, tempering, pipe fitting, babbiting, and repairing of machinery. Four hours attendance. Two hours credit. First term. Laboratory fee, \$2.00.

MR. SJOGREN

- D. **Forge Work**—Continuation of course C. Prerequisite: course C. Four hours attendance. Two hours credit. Second term.

MR. SJOGREN

- E. **Farm Machinery**—A study of all lines of Agricultural implements, tillage, grading, seeding, harvesting, pumping, and fertilizing

machinery. One hour attendance, two hours credit. Three hours laboratory.

PROFESSOR CHASE, MR. SHEDD

- F. Farm Motors**—Continuation of course E with the addition of work with windmills, steam boilers, steam engines, gasoline engines, and traction engines. The determination of brake horse power and other tests of Farm Motors. One hour attendance. Three hours laboratory. Two hours credit.

PROFESSOR CHASE, MR. SHEDD

- G. Rural Architecture**—The laying out of Farms, the study of houses, barns, granaries, sheds, fences, equipment, water systems, sewage, heating, etc. Practice at drawing and designing. One hour attendance, two hours designing. Two hours credit.

PROFESSOR CHASE

- H. Rural Architecture**—Continuation of course G. One hour attendance. Two hours designing. Two hours credit.

PROFESSOR CHASE

FORESTRY

PROFESSOR PHILLIPS

Course 1 is open to all students. Students wishing to elect other courses should first confer with the head of the department.

Through the courtesy of the United States Forest Service, the University is able to announce several special lectures on Silviculture and National Forest problems. The lecturer for 1907-1908 was Mr. Raphael Zon, chief of the office of Silviculture, Forest Service, U. S. Department of Agriculture. Course 8a is given by Mr. F. B. Moody, Assistant State Forester of Wisconsin. Courses 4a and 4b are given by Mr. Wm. H. Mast, Deputy Forest Supervisor in charge of the government nurseries at Halsey, Nebraska.

All of the courses are designed for undergraduate students, but 3, 4, 5, 6. Courses 7 and 8 may be taken as minors by graduates who are candidates for advanced degrees in other departments.

- 1. General Forestry**—Importance of forests and forestry in the life of the nation; relation of forestry to agriculture and other industries; uses of wood. Two hours attendance. Two hours credit.
- First semester.

PROFESSOR PHILLIPS

3. **Silviculture**—Objects of silviculture; forest soils and their relation to tree growth; forest influences on soil, climate, and stream flow; forest types; tolerance of trees; pure and mixed forests. Three hours attendance. Four to six hours field and library work. Three hours credit. First semester. PROFESSOR PHILLIPS
4. **Silviculture**—Continued. Methods of reproducing forests; treatment of forests; forest nurseries, planting, thinning, harvesting; forest injuries and methods of prevention. Includes 4a and 4b. Second semester. PROFESSOR PHILLIPS
- 4a. **National Forest Planting**—Methods of seed collecting, seed storage, nursery practice and field planting. Six to eight lectures. Second semester. MR. MAST
- 4b. **Commercial Nursery Practice**—Methods employed in various portions of the United States and relation to private planting. Six to eight lectures. Second semester. MR. MAST
5. **Forest Measurements**—Methods of determining contents of felled and standing trees, estimating timber, determination of height, diameter and increment. Two hours attendance. Four to six hours field and library work. Two hours credit. First semester. PROFESSOR PHILLIPS
6. **Forest Measurements and Management**—5 continued, first half of semester. Second half preparation of working plans, forest valuation, forest finance, etc. Two hours attendance. Four to six hours field and library work. Two hours credit. Second semester. PROFESSOR PHILLIPS
7. **Forest Utilization**—Uses of timber; methods of logging and milling; cost of lumbering in various forest regions; seasoning, grading, markets, final product; secondary forest products; minor forest products. Two hours attendance. Two hours credit. First semester. PROFESSOR PHILLIPS
8. **Forest Policy**—Forestry methods in foreign countries and the United States. State and National activity, as to public and private holdings; taxation, benefits, fire laws, working forces, achievements. Two hours attendance. Two hours credit. Includes 8a. Second semester. PROFESSOR PHILLIPS
- 8a. **State Forestry**—Special state problems; management of state reserves; marking timber, trespass, timber sales. Ten to fifteen lectures. Second semester. MR. MOODY

9. **Forestry Seminar**—Special phases of forestry with detailed reports by students. Current literature in forestry, forest botany and lumbering. Primarily for students who expect to take up state or government work. Two hours attendance. Two hours library work. No credit. Last half of first semester and first half of second semester. PROFESSOR PHILLIPS

10. **Teachers' Course**—Primarily for teachers of nature study in public schools; identification and classification of trees; properties and uses of the economic woods; geographical distribution of forests. One hour attendance with field and laboratory work. One hour credit. First semester. PROFESSOR PHILLIPS

11. **Silviculture**—Primarily for students of agriculture. A general view of forestry; methods of collecting and storing forest tree seed; forest planting and woodlot management. Two hours attendance with field work. Two hours credit. Second semester. PROFESSOR PHILLIPS

Study of Woods (See Botany 34)—Structure, growth-rings, heart wood, sap wood, soft woods, hard woods, porosity, grain, knots, density, durability. Two hours lecture. Two to four hours laboratory. Two hours credit. Second semester.

PROFESSOR BESSEY

Dendrology (See Botany 36)—Review of the morphology and physiology of the tree. Forest regions, forest types, and forest trees of North America. Biological relations. Distribution. Economic importance. Especially for forestry students. Three hours attendance. Six hours in the laboratory, field, and herbarium. Three hours credit. Second semester. MR. POOL

Forest Entomology (See Entomology 11)—Insects of the forest. Lectures and laboratory. Two hours credit. First semester.

PROFESSOR BRUNER

Timber Physics (See Applied Mechanics 19)—The physical properties of timber. This course is intended for students of forestry. One hour attendance. Three hours laboratory. Two hours credit. First semester. PROFESSOR CHATBURN

SCHOOL OF AGRICULTURE

A. **Farm Forestry**—The individual tree; wind-breaks, shelter-belts, and

forest plantations; selection of species for planting. One hour attendance with field work. One hour credit. Second term

PROFESSOR PHILLIPS

- B. Farm Forestry**—An adaptation of course 12 for students in the short course of the School of Agriculture. Sixteen lectures.

PROFESSOR PHILLIPS

GEOGRAPHY AND AGRICULTURAL GEOLOGY

PROFESSOR CONDRA, ASSISTANT PROFESSOR LOVELAND, ADJUNCT PROFESSOR BENGTON

- 1. Physical Geography**—An introductory lecture and laboratory course upon general physiography. Some of the topics discussed are: The origin and structure of the earth; relief features; the use of topographic maps; the work of rivers and valleys; plains and plateaus; mountains; volcanoes and earthquakes; snow fields and glaciers. An attempt is made to describe the leading physiographic process, to account for the land and water forms, and to show their relation to agriculture and forestry. Some time is given to climate and its effects. The lectures are fully illustrated by lantern, maps, models and specimens. Two hours attendance. Four hours laboratory and library. Two hours credit. First semester.

PROFESSOR CONDRA, ADJUNCT PROFESSOR BENGTON

- 2. Geography of North America**—A summary study of the political divisions, relief, coast lines, climate, structure of the continent, and a fuller treatment of each of the 17 topographic and soil regions; the structure, physiographic history, topography, soils, drainage, resources and industries of each region. Attention is given to the literature of the subject. The course is suited to all students who wish a knowledge of the geography of our country. The Great Plains Region is emphasized. Lectures are illustrated. Two hours attendance. Four hours library and laboratory. Two hours credit. Second semester.

PROFESSOR CONDRA, ADJUNCT PROFESSOR BENGTON

- 4. The Atmosphere**—A study of the meteorology and geography of the atmosphere. The course is designed to meet the practical needs of students. Some of the topics considered are: The physical

and chemical nature of the atmosphere; distribution of heat and atmospheric pressure; wind systems; humidity and rainfall; storms; hot winds; changes and fluctuations of climate; climatology in its relation to deserts, prairie land, forests, agriculture, and the distribution of people. Students are taught the construction of weather maps and climatic charts; forecasting; and the use and care of meteorological instruments. Experiments of various kinds are performed in the wet laboratory. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

ASSISTANT PROFESSOR LOVELAND, ADJUNCT PROFESSOR BENGTON

5. **Industrial Geography**—This course gives a general survey of the National resources and their conservation and a more specific study of certain commercial raw materials as shown by museum specimens; it teaches the forms, processes and commercial relations of certain mineral and agricultural industries, as coal, petroleum, building stone, clay, sand, iron, cotton, rice, sugar, coffee and tea, beets, wheat, and corn. The subject is made concrete by the use of specimens and well selected sets of lantern slides. Two hours attendance. Four hours museum and library. Credit two hours. First semester.

PROFESSOR CONDRA, ADJUNCT PROFESSOR BENGTON

21. **Field Geology**—This course consists of excursions to outcropping formations, quarries, gravel pits and sand dredges along Salt Creek, Blue River and the Platte. It teaches methods of doing field work and how to use the aneroid barometer, level, transit, plane table, camera and drawing materials as employed on geological and soil surveys. Mapping and descriptions. Collateral readings. One or two hours. First and second semesters.

ADJUNCT PROFESSOR BENGTON

22. **Field Geology**—21 continued. First and second semesters.

PROFESSOR CONDRA

28. **Agricultural Geology**—A study of soil forming, road and cement-making minerals and rocks; the leading geologic structures; rock weathering and erosion; ground water; rural water supplies; drainage and topographic conditions of agricultural relation; evolution of farm animals as shown by fossils; the structure and

soil regions of Nebraska; the agricultural importance of the "Red bed," Pierre, Bad land, Loup Fork, glacial, loess, alluvial and dune sand formations. Two hours attendance. Four hours laboratory and library. Two hours credit. Second semester.

PROFESSOR CONDRA

HORTICULTURE

PROFESSOR EMERSON, ADJUNCT PROFESSOR WESTGATE, AND ADJUNCT
PROFESSOR HOWARD

GENERAL INFORMATION

The lecture room in Horticultural Hall is provided with charts, lantern slides, models and specimens illustrating various phases of horticulture. The laboratory accommodates twenty students and greenhouse room is available for forty students where the plants used in experimental work can be kept growing. A small nursery in the horticultural grounds furnishes much of the material used in the laboratory and at the same time illustrates practical methods of propagating various plants. The orchards, vineyards and small fruit gardens of the Experiment Station afford practice work in pruning and training fruits and present the opportunity for comparison of various cultural methods. The farm campus and newly established arboretum furnish very good material for the study of landscape gardening. A limited number of advanced students who desire to fit themselves as teachers or investigators will be employed at a moderate compensation to assist in the laboratory of the School of Agriculture during the winter or to help in the experimental work of the Experiment Station during the summer. The investigations now being conducted by the department on the subject of heredity afford especially favorable opportunities to advanced students of plant breeding.

Courses 1 and 2 should precede all other courses except for students who have completed the horticultural work offered in the School of Agriculture. Botany 1 and 2 should precede all courses in horticulture and must precede courses 7 and 8. All courses are open to women as well as to men, but courses 5 and 6 are especially recommended to women.

1. **General Horticulture**—General principles and practice of horticulture. Operations in the production of horticultural crops; prin-

ciples upon which these operations are based. Propagation of plants, sites and soils, arrangement of grounds, manures and fertilizers, tillage, cover-crops, pruning and training, winter protection, treatment of insect pests and diseases. Two hours attendance. Four hours laboratory. Three hours credit. First semester.

PROFESSOR EMERSON

2. **General Horticulture**—1 continued. Second semester.

3. **Pomology**—Fruits; description, classification and culture. Fruits adapted to Nebraska considered in all aspects of their culture and handling. Two hours attendance. Two hours laboratory. Two hours credit. First semester.

ADJUNCT PROFESSOR HOWARD

4. **Vegetable Gardening**—Kitchen-garden vegetables; description, classification and culture. More important representatives of each class studied in detail. Two hours attendance. Two hours credit. second semester.

PROFESSOR EMERSON

5. **Culture of Flowers**—The production of flowers both indoors and outdoors, for home use and for market, with particular attention to the construction of greenhouses and the production of cut flowers. Two hours attendance. Two hours laboratory. Two hours credit. First semester. ADJUNCT PROFESSOR WESTGATE

6. **Ornamental Gardening**—The principles of landscape gardening. Ornamental plants, shrubs and trees; their culture, classification and decorative value. Two hours attendance. Two hours laboratory. Two hours credit. Second semester.

ADJUNCT PROFESSOR WESTGATE

7. **Elementary Plant Breeding**—A preliminary study of the principles of plant improvement. Influence of environment, hybridization, isolation of types, selection of fluctuations. Detailed consideration of methods for improvement of horticultural crops. Two hours attendance. Two hours laboratory. Two hours credit. First semester.

PROFESSOR EMERSON

8. **Advanced Plant Breeding**—Current theories of variation and heredity; their bearing upon plant breeding. Results of recent investigation. Laboratory work, library readings and consultation. Two to five hours credit. Second semester.

PROFESSOR EMERSON

HOME ECONOMICS

PROFESSOR BOUTON, ASSOCIATE PROFESSOR PHILBRICK, MRS. HOSFORD,
MISS DENNY, MISS HARPER, MISS POST

The instruction in this department relates to the practical problems of home life. Special attention is given to the artistic, economic and sociological questions which form a legitimate part of this work. Instruction is given by the lecture-laboratory method.

For the Teachers' Certificate the following courses are required for a major: 1, 2, 3, 4, 5, 6, 13, and 14.

1. **Sewing and Design**—Drafting, cutting and making of garments. Textiles, their manufacture, qualities and value. Home decoration, color, design, material, etc. Two hours attendance. Six hours laboratory. Three hours credit. First semester.

MISS DENNY AND ASSISTANT

2. **Sewing and Design**—1 continued. Second semester.

3. **Foods: Selection and Preparation**—Composition and function of typical foods; fundamental principles and processes of cooking and their application in the preparation of individual dishes; nutritive and money values. Should be preceded by Chemistry 1 and 2. Three hours attendance. Six hours laboratory. Three hours credit. First semester.

ASSOCIATE PROFESSOR PHILBRICK, MISS POST

4. **Foods: Selection and Preparation**—3 continued. Second semester.
5. **Advanced Cookery**—Application of scientific principles to more elaborate dishes and to menus. Preservation of foods; serving of meals. Three hours attendance. Six hours laboratory. Three hours credit. First semester.

ASSOCIATE PROFESSOR PHILBRICK, MISS POST

6. **Advanced Cookery**—5 continued. Second semester.

- 5a. **Dietetics**—To be taken with course 5. Consideration of problems of digestion and metabolism. Study of dietaries of given cost and their adaptation to varying conditions of health, age, environment, etc. Diet of children; family dietaries; diet of invalids. One hour attendance with assigned readings. One hour credit. First semester.

ASSOCIATE PROFESSOR PHILBRICK

6a. **Dietetics**—5a continued. Institutional and special dietaries. Second semester.

[7. **Industrial Art**—Home decoration and advanced sewing; principles of design in dress and in house furnishing. Two hours attendance. Six hours laboratory. Three hours credit. First semester.

PROFESSOR BOUTON, MRS. HOSFORD]

8. **Industrial Art**—7 continued. Second semester.

9. **Household Economics**—House plans and furnishings; management of household affairs, division of income, domestic service, ventilation, heating, lighting, water supply and disposal of waste; house practice including all processes of practical housekeeping. Prerequisites: Home Economics 1, 2, 3 and 4, and Chemistry 1 and 2. Three hours attendance. Two hours laboratory. Three hours credit. First semester.

MRS. HOSFORD

9a. Similar to 9 without laboratory. Two hours attendance.

MRS. HOSFORD

10. **Household Economics**—9 continued. Second semester.

10a. **Household Economics**—9a continued. Second semester.

11. **General Cookery**—For juniors and seniors who desire some work in cookery, but have not the time for Courses 3, 4, 5 and 6. General principles and methods of cooking; lessons in serving. Two hours attendance. Four hours laboratory. Two hours credit. First semester.

ASSOCIATE PROFESSOR PHILBRICK AND ASSISTANT

12. **General Cookery**—11 continued. Second semester.

13. **Teachers' Course**—Required of candidates for the University Teachers' Certificate in Home Economics. Lectures with practice work in teaching. Two hours attendance. Three hours credit. First semester.

PROFESSOR BOUTON

14. **Teachers' Course**—13 continued. Second semester.

15. **Applied Design**—Principles of industrial art applied to home decoration. One hour attendance. Two hours laboratory. One hour credit. First semester.

MISS DENNY

16. **Applied Design**—15 continued. Second semester.

17. **Camp Cookery**—For engineering students. Selection and preparation of food suited to camp life with some practice in out of

door cooking. Open to men and women. Three hours laboratory. One hour credit. PROFESSOR BOUTON AND ASSISTANT

18. **Camp Cookery**—17 continued. Second semester.

19. **Home Science Extension Work**—For teachers who wish to introduce home science into schools with or without equipment; also for persons desirous of preparing themselves to render useful social service in settlements, clubs, etc. Two hours attendance. Six hours laboratory. Three hours credit. First semester.

PROFESSOR BOUTON, MISS HARPER

20. **Home Science Extension Work**—19 continued. Second semester.

21. **Assistants' Course**—For those assisting in courses 3, 4, 5, 6, 11 and 12. Fixing of fundamental principles in food preparation and nutrition. Nutritive and economic food values. Adaptation of menus to specific conditions. A brief survey of methods of instruction with practical work in conducting laboratory classes and quizzes. Prerequisite: courses 3, 4, 5 and 6. Class, library and laboratory work. Three hours credit. First semester.

ASSOCIATE PROFESSOR PHILBRICK

22. **Assistants' Course**—21 continued. Second semester.

MILITARY SCIENCE AND TACTICS

[SEE COLLEGE OF ARTS AND SCIENCES]

PHYSICAL EDUCATION

[SEE COLLEGE OF ARTS AND SCIENCES]

COURSES OF INSTRUCTION

THE GRADUATE COLLEGE

COLLEGE OF ARTS AND SCIENCES, AND THE TEACHERS COLLEGE

Courses included between brackets are not given in 1909-1910.

Students are advised to consult the heads of departments before registering.

Students registered in the College of Agriculture, College of Engineering, College of Law, College of Medicine and the School of Pharmacy are privileged to select courses from these departments which may apply as electives in regular courses of study.

Likewise, students registered in the Graduate College, the College of Arts and Sciences, and the Teachers College may select courses from the departments exhibited in the colleges named above.

AMERICAN HISTORY

[SEE HISTORY]

ANATOMY

PROFESSOR WOLCOTT

[SEE ANATOMY, COLLEGE OF MEDICINE]

The following course is offered for students in the Normal Training Course in Physical Education. It must be preceded by Zoology 1, 2 and 8a, and permission to enter the course must be secured from the head of the department before registration. No credit can be given for the course in the College of Medicine.

15. **Anatomy for Students of Physical Training**—A course designed to acquaint students of physical training with a general knowledge of the human body and a more detailed knowledge of the muscular system, the peripheral vessels and nerves, and the viscera. Two hours quiz. Six hours laboratory, with demonstrations. Three hours credit. First semester. PROFESSOR WOLCOTT
16. **Anatomy for Students of Physical Training**—15 continued. Second semester.

ASTRONOMY

PROFESSOR SWEZEY, ASSISTANT PROFESSOR LOVELAND, ASSISTANT
PROFESSOR BRENKE

GENERAL INFORMATION

The Astronomical Observatory with its telescope and other instruments furnishes to elementary students an opportunity to study at first hand the more interesting heavenly bodies. They are given some practice in such exercises as finding accurate time by the stars, determining the latitude of the Observatory, and recognizing with the spectroscope the various elements present in the sun and stars. For advanced work the telescope is equipped with photographic, photometric and spectroscopic appliances; while the meridian circle, zenith telescope, transit instrument, and sidereal clock and chronometer furnish facilities for the more important problems in the astronomy of precision.

The location on the campus of the United States Weather Bureau with its self-registering instruments and its daily compiling and printing of a weather map, add much interest to the study of meteorology. A complete series of the daily weather maps for many years furnish original data for all sorts of climatological studies.

For the Teachers' Certificate the following is the requirement for a major: Courses 5, 6, 7, 8, 15, and 16.

GRADUATE WORK

MASTER OF ARTS

Any of the courses offered to graduates and comprising six hours credit may constitute a minor for a student who takes two minors for his degree. Any two such courses may be taken as a single minor. Two such courses and a thesis constitute a major.

DOCTOR OF PHILOSOPHY

The department does not undertake major work for this degree, but the courses offered for the degree of Master of Arts may be chosen as minors by candidates for the doctorate taking their majors in other departments.

COURSES**PRIMARILY FOR UNDERGRADUATES****METEOROLOGY**

1. **Practical Meteorology**—A brief survey of the subject with special attention to its use in every day life. One hour attendance. One hour credit. First and second semesters.

ASSISTANT PROFESSOR LOVELAND

2. **General Meteorology**—The earth's atmosphere, including composition and extent, temperature, moisture, dew, frost, clouds, precipitation, winds, and storms. Lectures, readings and laboratory work in constructing weather maps and making forecasts. Course 1 not prerequisite, but may be taken with course 2. Two hours attendance. Two hours credit. First and second semesters.

ASSISTANT PROFESSOR LOVELAND

3. **Weather Forecasting**—Laboratory course in study of storms and principles of forecasting. Organization and work of weather services of the world. Prerequisite: Course 2. One hour attendance. One hour credit. Second semester.

ASSISTANT PROFESSOR LOVELAND

GENERAL ASTRONOMY

Courses designed to give such a knowledge of astronomy as every educated person should possess. They involve no difficult mathematical calculations, but include many simple exercises in plotting the positions and motions of the heavenly bodies. Some use of the telescope, spectroscope and other instruments of the observatory.

4. **Introduction to Astronomy**—Lectures, illustrated with lantern, on various astronomical subjects; collateral readings and exercises. One hour attendance. One hour credit. First semester.

PROFESSOR SWEZEY

- 4a. **Introduction to Astronomy**—Similar to Course 4, but may precede it. One hour attendance. One hour credit. Second semester.

PROFESSOR SWEZEY

5. **Elementary Astronomy**—Open to beginners, but students may take courses 4 or 4a with it if desired. Text-book, illustrated lectures, readings and exercises. Two hours attendance. Two hours credit. First and second semesters. PROFESSOR SWEZEY
6. **Elementary Astronomy**—Course 5 continued. Second semester.
7. **Advanced Astronomy**—A more extended course, for which course 5-6 is prerequisite. Three hours attendance. Three hours credit. First semester. PROFESSOR SWEZEY
8. **Advanced Astronomy**—7 continued. Second semester.

FOR UNDERGRADUATES AND GRADUATES

CLIMATOLOGY

11. **Climatology**—Climates of different parts of the world. Causes of these differences. Prerequisite: Course 2. One hour attendance. One hour credit. One or two additional hours credit may be secured by further work in the study of the climates of selected localities. First semester. ASSISTANT PROFESSOR LOVELAND
12. **Climatology**—11 continued. Second semester.

PRACTICAL ASTRONOMY

Involves the use of instruments of precision. For teachers or specialists in astronomy or engineering. Courses 4 to 8 are not prerequisites, but would be a useful introduction.

15. **Spherical and Practical Astronomy**—Theory and use of telescope, transit instrument, meridian circle, and zenith telescope. Prerequisite: plane trigonometry. Three hours attendance. Three hours credit. First and second semesters. PROFESSOR SWEZEY
16. **Spherical and Practical Astronomy**—15 continued. Second semester.
17. **Field Astronomy for Engineers**—Methods of finding latitude, longitude, time and the meridian by means of transit. Three hours attendance. Three hours credit. First and second semesters. ASSOCIATE PROFESSOR BRENKE
18. **Geodetic Astronomy**—Methods of finding precise azimuths and latitudes, as employed by the U. S. Geodetic Survey. Involves the use of a theodolite equipped with micrometer microscopes. Three hours attendance. Three hours credit. Second semester. ASSOCIATE PROFESSOR BRENKE

MATHEMATICAL ASTRONOMY

Involving calculations, but not observations.

19. **Problems in Astronomy**—Prerequisite: plane trigonometry. Must be preceded or accompanied by Course 5. Three hours attendance. Three hours credit. Second semester.

PROFESSOR SWEZEY

21. **Celestial Mechanics**—Requires the calculus. Three hours attendance. Three hours credit. First semester.

ASSOCIATE PROFESSOR BRENKE

22. **Celestial Mechanics**—21 continued. Second semester.

23. **Mean and Apparent Star Places**—Three hours attendance. Three hours credit. First semester.

PROFESSOR SWEZEY

24. **Eclipses and Occultations**—Three hours attendance. Three hours credit. Second semester.

PROFESSOR SWEZEY

BACTERIOLOGY AND PATHOLOGY

PROFESSOR WAITE, MR. EMERSON

GRADUATE WORK

As requirements for registration in this department for advanced degrees the applicant must have completed work equivalent to that of a general scientific course in this university. The ability to read German and French is necessary. Before registration for an advanced degree the candidate must consult the head of the department.

MASTER OF ARTS

Second minor: Courses 1, or 2a and 3, or 2a and 4.

First Minor: Course 1 and its equivalent along some special line of research.

Major: Advanced work following the courses outlined above with a thesis.

DOCTOR OF PHILOSOPHY

Minors: The minimum requirement will be the equivalent of six hours of class work approved by the head of the department.

Major: The candidate must have a thorough knowledge of general bacteriology equivalent to that required for the degree of Master of Arts. In addition to this he must have pursued and completed some original problem and must embody the results of his work in a thesis. The minimum time requirement must be at least that required by the University for the degree.

1. **General Bacteriology**—Form, structure, manner of multiplication, reproduction, requirements of growth, and chemical products of bacteria. Relation of bacteria to fermentation and putrefaction and the means by which complex organic compounds are reduced to simple inorganic forms. Disinfection, sterilization, theories of immunity. Non-pathogenic and pathogenic forms. Four hours attendance. Eight hours laboratory. Four hours credit. First semester.
PROFESSOR WAITE, MR. EMERSON

- 2a. **Elementary Bacteriology**—An introduction to the study of bacteriology. The relation of bacteria to other organisms. Their morphology and structure, chemical composition, and chemical changes which they produce. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

PROFESSOR WAITE, MR. EMERSON

3. **Dairy Bacteriology**—Sources of bacteria in milk. Lactic and butyric acid fermentations, peptonizing, rennet-forming and butyric acid-producing bacteria. Abnormal fermentations giving rise to slimy, bitter, red, blue, yellow and green milk. Relation of milk to spread of tuberculosis, typhoid fever, and other diseases. Sterilization and pasteurization. Bacteria in butter making. Two hours attendance. Four hours laboratory. Two hours credit. First semester.

PROFESSOR WAITE, MR. EMERSON

Courses 3 and 4 must be preceded by either course 1 or 2.

4. **Agricultural Bacteriology**—The nitrogen problem. Bacteria in ammoniacal fermentation, nitrification and denitrification. Bacteria as a means of reclaiming nitrogen lost from the soil. The employment of pure cultures in growing leguminous plants. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

PROFESSOR WAITE, MR. EMERSON

BIOMETRY

[SEE MATHEMATICS]

BOHEMIAN

[SEE DEPARTMENT OF SLAVONIC]

BOTANY

HEAD PROFESSOR BESSEY, PROFESSOR WILCOX, ADJUNCT PROFESSOR WALKER,
ADJUNCT PROFESSOR PCCL, MR. BOOSTROM. MR. WOOD, MR. LAMB,
MISS WALKER, MISS FIELD. MISS INGRAM

GENERAL INFORMATION

Students entering upon undergraduate botanical work must take courses 1 and 2 or present an equivalent, and are recommended to take 3 and 4, especially in case of preparation for teaching the subject. After this nearly all of the courses are open to election, but students intending to make selections are requested to confer with the professors before doing so.

For the Teachers' Certificate in Botany as a major courses 1, 2, 3, 4 are required, and two or more hours preferably of 13, 14, 19 or 20.

Three laboratories,—general, advanced, and physiological,—on the main floor of Nebraska Hall, with the plant-house, provide working-room for undergraduate students. Microscopes, paraffin ovens, culture apparatus, microtomes, and other apparatus are furnished as needed. The botanical store-room is stocked with chemicals, stains, glassware, and other supplies and apparatus.

See, also, Agricultural Botany.

GRADUATE WORK

Before formal registration for a degree for graduate work in this department the student must have satisfactorily completed General Botany (courses 1, 2, 3, and 4) and Plant Physiology (courses 19 and 20) or their equivalent, and one year of Zoology. He must also be able to read Latin, French and German.

A research laboratory has been fitted up, with microscopes, microtomes, culture apparatus, etc., for the exclusive use of graduate students. The University Herbarium, of considerably more than 100,000 specimens, and the botanical library in charge of Miss Field are open throughout the work days of the week for study and consultation. For certain lines of graduate work the department has a camera and a photographic dark-room. The department is prepared especially to offer graduate instruction in plant pathology.

MASTER OF ARTS

Candidates may select from the following courses:

MAJORS: Cytology, histology, courses 13 to 36 in systematic botany, plant ecology, plant pathology, economic botany.

MINORS: Any courses excepting 1, 2, 3, 4, A, 19 and 20.

DOCTOR OF PHILOSOPHY

MAJORS: Systematic problems, morphological problems, cytological problems, physiological problems, pathological problems.

MINORS: Any courses excepting 1, 2, 3, 4, A, 19 and 20.

FOR UNDERGRADUATES**A. GENERAL BOTANY**

Required of all students intending to make a thorough study of the science.

1. **General Botany**—Introduction to structure of plants (cells, tissues, tissue system). General morphology and physiology of representative species, including blue-green and green algae. Three hours lecture and additional readings. Four hours laboratory. Three hours credit. First semester.

HEAD PROFESSOR BESSEY, MISS WALKER, MR. BOOSTROM

2. **General Botany**—The general morphology and physiology of representative species of brown algae to flowering plants. Three hours lecture and additional readings. Four hours laboratory. Three hours credit. Second semester.

HEAD PROFESSOR BESSEY, MISS WALKER, MR. BOOSTROM

3. **General Botany**—A more detailed study of the structure and classification of Myxophyceae to Carpomyceteae, with particular reference to their identification; cell-division, formation of the primary tissues and introduction to cytological technique. Three hours lecture. Eight hours laboratory. Four hours credit. First semester.

ADJUNCT PROFESSOR WALKER

4. **General Botany**—A similar study of Bryophyta to Anthophyta; their origin and relationships; spore formation and the development of the embryo. Three hours lecture. Eight hours laboratory. Four hours credit. Second semester.

ADJUNCT PROFESSOR WALKER

- A. General Botany, for Teachers**—Structure and activities of selected representatives of plants, from the lowest to the highest. For those who expect to teach botany in high schools. Taken up in the sequence recommended to teachers in such schools. Four hours credit in General Botany. Registration after consultation with the professor. Equivalent to one-third of course 1, and the whole of course 2. Six lectures. Eighteen hours of laboratory work. Four hours credit. Summer School.

HEAD PROFESSOR BESSEY, MISS WALKER

FOR UNDERGRADUATES AND GRADUATES

B. SPECIAL BOTANY

I. HISTOLOGICAL BOTANY

5. **Cytology**—Plant cell and karyokinesis in lower and higher plants with cytological technique. One hour lecture. Six hours laboratory. Two hours credit. First semester.

ADJUNCT PROFESSOR WALKER

6. **Histology**—Tissues and tissue aggregates in higher plants, with the technique of staining and mounting. One hour lecture. Six hours laboratory. Two hours credit. Second semester.

ADJUNCT PROFESSOR WALKER

- [7. **Histology**—Comparative study of tissues and tissue aggregates. Interrelations of tissue systems from the point of view of adaptation. Technique of differentiation processes. Two hours lecture. Four to thirteen hours laboratory. Two to five hours credit. First semester.]

Not given in 1909-1910.

- [8. **Histology**—7 continued. Second semester.]

9. **Histogenesis**—The origin and development of tissues and tissue aggregates in the principal histogenetic types of Pteridophyta and Anthophyta. Four to thirteen hours laboratory. Varying credit. First semester.

ADJUNCT PROFESSOR WALKER

10. **Histogenesis**—9 continued. Second semester.

II. SYSTEMATIC BOTANY

13. **Flowering Plants**—Principles of classification, and their application to the Monocotyledons. Two hours lecture. Four to twenty hours laboratory work in the field and herbarium. Two to six hours credit. First semester.

HEAD PROFESSOR BESSEY, MR. LAMB

14. **Flowering Plants**—Principles of classification, and their application to the Dicotyledons. Otherwise as in course 13. Second semester.
HEAD PROFESSOR BESSEY, MR. LAMB
15. **Fungi, Morphology, Physiology**—Classification and life history of groups of fungi, based on identification and field work, with reference to forms of pathological importance. Mycological literature. Two lectures. Four to thirteen hours laboratory. Two to five hours credit. First semester.
ADJUNCT PROFESSOR POOL
16. **Fungi**—15. continued. Second semester.
17. **Algæ**—Classification of the blue-green, brown-green and yellow-green algae. Two hours lecture. Four to thirteen hours laboratory. Two to five hours credit. First semester.
HEAD PROFESSOR BESSEY, MISS ERNST
18. **Mosses and Ferns**—Herbarium and field study of the classification of the Bryophyta and Pteridophyta. Two lectures. Four to thirteen hours laboratory. Two to five hours credit. Second semester.
HEAD PROFESSOR BESSEY, MISS ERNST
23. **Advanced Mycology**—Study of selected group of fungi, including morphology, development and classification. Two lectures or conferences. Four to thirteen hours laboratory. Two to five hours credit.
ADJUNCT PROFESSOR POOL
24. **Advanced Mycology**—23 continued. Second semester.
25. **Forest Mycology**—A review of the general morphology and physiology of fungi followed by a detailed study of the morphology, physiology, development, and classification of the fungi which attack the leaves, stems, and roots of woody plants especially of forest trees. The role of fungi in the decay of timber; enzymes; parasitism; symbiosis; mycorrhiza. Field trips for the recognition and the collection of material. Two hours attendance. Six hours laboratory and field work. Two hours credit. First semester.
ADJUNCT PROFESSOR POOL
36. **Dendrology**—Review of the morphology and physiology of the tree. Forest regions, forest types, and forest trees of North America. Biological relations. Distribution. Economic importance. Three hours attendance. Six hours in the laboratory, field, and herbarium. Three hours credit. Second semester. MR. ———

III. PHYSIOLOGICAL BOTANY

19. **Plant Physiology**—An introductory study of the processes and functions of plants. Including imbibition; osmosis; absorption; the relation of the soil and of solutes to the plant; the movement of substances in the plant body; transpiration; stomatal relations; maintenance of bodily form; turgor; secretion; waste products. Three hours attendance. Six hours laboratory. Three hours credit. First semester. ADJUNCT PROFESSOR POOL
20. **Plant Physiology**—Photosynthesis; the question of the manufacture and assimilation of food; the storage and digestion of foods; respiration; growth and movement with special reference to the influence of external factors upon these phenomena; irritability; stimulus and response; death of plants. Three hours attendance. Three hours credit. Six hours laboratory. Second semester. ADJUNCT PROFESSOR POOL
21. **Plant Ecology**—A study of the relation of plants to their environment. Adaptation; method of studying vegetation; the quadrat method and other vegetational charts. The plant formation. The origin, development, structure and succession of plant formations; alternation and zonation. A careful quantitative study in the field of the factors of the habitat by means of ecological instruments. Designed to give a general view of the matter and methods of modern ecology. Prerequisites: courses 19 and 20. Two hours attendance. Four to six hours laboratory and field work. Three hours credit. First semester. ADJUNCT PROFESSOR POOL
22. **Plant Ecology**—A further test of the theories and of the methods of ecology in the field. Detailed field studies will be made in the prairie and salt-marsh formations about Lincoln, also of the mesophytic forest formations along the Missouri river, and of the Sand Hill formations of north central Nebraska. The plant formations and successions in various parts of the United States will also be treated. Prerequisites: courses 19, 20 and 21. Two hours attendance. Four to six hours laboratory and field work. Three hours credit. Second semester. ADJUNCT PROFESSOR POOL
27. **Elementary Plant Pathology**—A broad survey of the development and present condition of our knowledge of plant diseases. Special

attention will be given to diseases having their origin in malnutrition and unfavorable chemical and physical factors. The most typical and important diseases of our leading cultivated plants will be described in some detail. The laboratory work will acquaint the student with the current technique including the preparation and use of culture media, the establishment of pure cultures and artificial inoculation. Two hours lecture. Six hours laboratory. Three hours credit. First semester. Students are advised to take courses 15, 16, 19 and 20 before or with this course.

PROFESSOR WILCOX, MISS WALKER

28. **Elementary Plant Pathology**—27 continued. Second semester.

29. **General Plant Pathology**—Prerequisite: courses 27, 28. An advanced course of lectures designed to furnish such a broad working basis as to enable one to engage in original research in pathology. The following are some of the subjects to be discussed; the physiology and cytology of immunity and resistance, origin of parasitism, specialization, epidemics and climatic factors, etc. Two hours lecture. Four hours reading. Two hours credit. First semester. (Room 305, Agricultural Hall.)

PROFESSOR WILCOX

30. **General Plant Pathology**—29 continued. Second semester.

IV. TECHNICAL BOTANY

34. **The Study of Woods**—Structure, growth-rings, heartwood, sap wood, soft woods, hard woods, porosity, grain, knots, density, durability. Two hours lecture. Two to four hours laboratory. Two hours credit. Second semester. Mr. _____

FOR GRADUATES ONLY

The student may register for any one of these courses year after year until the completion of his problem.

39. **Economic Botany**—An advanced study of the uses of plants; the origin, distribution, and modifications of cultivated plants; and the systematic botany of the plants used by man. Open only to students who have had a sufficient training in systematic botany. Two to five hours credit. First semester.

HEAD PROFESSOR BESSEY

40. **Economic Botany**—39 continued. Second semester.

41. **Systematic Problems**—Assigned problems in the field and herbarium. Five or ten hours credit. First semester.
HEAD PROFESSOR BESSEY, ADJUNCT PROFESSOR POOL
42. **Systematic Problems**—41 continued. Second semester.
43. **Morphological Problems**—Assigned problems in the morphology of a plant, or group of plants. Five or ten hours credit. First semester. HEAD PROFESSOR BESSEY, ADJUNCT PROFESSOR POOL
44. **Morphological Problems**—43 continued. Second semester.
- [45. **Cytological Problems**—Critical investigation of current problems in the microchemistry and structure of the cell. Five or ten hours credit. First semester.]
Not given in 1909-1910.
- [46. **Cytological Problems**—45 continued. Second semester.]
- [47. **Physiological Problems**—Assigned problems in field and laboratory. Five or ten hours credit. First semester.]
- [48. **Physiological Problems**—49 continued. Second semester.]
Not given in 1909-1910.
49. **Pathological Problems**—Assigned problems in field and laboratory. Five or ten hours credit. First semester.
HEAD PROFESSOR BESSEY, PROFESSOR WILCOX
50. **Pathological Problems**—49 continued. Second semester.

CHEMISTRY

PROFESSOR DALES, ADJUNCT PROFESSOR MARY LOUISE FOSSLER, ADJUNCT
PROFESSOR BORROWMAN, MR. BARNEBEY, MISS GRAHAM

GENERAL INFORMATION

Courses A, B, 1, 2, 3, and 4, give a general knowledge of the aims, principles, and methods of the science. These courses, with 26 or 44, and 29, fit students to teach chemistry in high schools and thus form a major for the Teachers' Certificate. They serve also as a foundation for a thorough and exact scientific training. In them the student is given a general survey of the field of chemistry, both inorganic and organic, including the nature of chemical processes and the use of chemical apparatus.

The following sequence of courses is recommended for students in the general groups who specialize in chemistry:

First year—Consult the head of department or associate in regard to registering for A and B, 1 and 2, or whether all four courses should be completed during the first year.

Second year—For students who have completed 1 and 2. Courses 3, 4, 5.

Third year—Courses 7, 8, 26.

Fourth year—Courses 15, 16, 21, 22, 25, 27, or 28.

Courses A, B, 1, 2, 3, 4, 5, 6, 13, 14, and 29 are primarily for undergraduates.

Courses 7, 8, 15, 16; 20, 21, 26, 27, 28, 29, 31, 32, 39, 40, 43, and 44 are for the following classes of students:

1. Undergraduates who specialize in chemistry.
2. Graduates, particularly those who select chemistry as a minor for advanced degrees.

GRADUATE WORK

Courses for advanced degrees usually lie in experimental chemistry and chemical theory, much latitude being allowed in respect to the exact topics. The attainment of a degree depends more upon the candidate's ability to think clearly and closely than upon the accomplishment of a fixed amount of work.

MASTER OF ARTS

MINORS: Four to six hours selected from Courses 7, 8, 15, 16, 21, 22, 26, 27, 28, 29, 31, 32, 39, 40, 43, and 44 with consent of the head of the department.

MAJOR: Advanced work along one of the lines indicated by courses above named and a thesis.

DOCTOR OF PHILOSOPHY

MINORS: Not less than six hours' class work selected by the candidate upon consultation with the head of the department.

MAJOR: Graduate study and the preparation of a thesis which shall mark an advance in knowledge along the line of the subject chosen. The exact time requirement cannot be given, but shall be at least the minimum required by the University for the degree.

The candidate for the doctorate from this department must choose two minors from allied subjects.

COURSES

A. General Chemistry—This course is designed to give a general view of chemistry. The lectures are highly illustrated with experiments and the fundamental principles of the science are emphasized. The non-metallic elements are given special consideration. Three hours lecture. Four hours laboratory. Three hours credit. First semester.

PROFESSOR DALES

B. General Chemistry—Continuation of A. Especial attention is given to the metallic elements, the more common organic compounds and the applications of chemistry to every day life. Prerequisite: A. Three hours lecture. Four hours laboratory. Three hours credit. Second semester.

PROFESSOR DALES

D. The Non-metallic Elements—Including the general principles of chemistry. The course is designed especially for those whose program of studies does not permit them to carry A and B before registering for 1. Such students will attend the same lectures as are given in A and in addition one hour quiz at a time to be arranged. Three hours lecture. One hour quiz. Eight hours laboratory. Four hours credit. First semester.

PROFESSOR DALES

NOTE.—A and B are not to be confused with courses of the same designation previously given. These courses are designed to present the subject to students in the College of Arts and Sciences, and in the Teachers College. No previous training in chemistry is required as a prerequisite. The course previously termed A is now replaced by Course D, while B is now designated combined 1 and 2.

In general, students desiring to study chemistry, who enter the University with two points credit should register for Chemistry 1. Students with less than two points are expected, unless advised otherwise, to register as follows: Those in the College of Arts and Sciences, and in the Teachers College will register for A. Students in the College of Agriculture, the College of Engineering, and the College of Medicine will register for D.

29. Teachers' Course—Lectures and recitations on methods of teaching chemistry including a review of the subject matter to be taught in the high school. Prerequisite: Courses 1, 2, 3, and 4. Two hours attendance. Two hours credit. First semester.

PROFESSOR DALES

26. **History of Chemistry**—Lectures; the elaboration of an assigned topic by each student. Prerequisite: Courses 1, 2, 3, and 4. Two hours attendance. Two hours credit. Second semester.

PROFESSOR DALES

Given in 1909-1910 and alternate years thereafter.

28. **Advanced Inorganic Chemistry**—Elements discussed in order in which they occur in periodic table. Special consideration to the properties and interrelations of the groups. The rarer elements given detailed treatment. Lectures illustrated by experiments. Prerequisite: Courses 1, 2, 3, and 4. Three hours attendance. Three hours credit. Second semester.

PROFESSOR DALES

44. **Theoretical Chemistry**—Principles and theories of general chemistry. Two hours attendance. Two hours credit. Second semester.

PROFESSOR DALES

Given in 1910-1911 and alternate years thereafter.

ANALYTICAL CHEMISTRY

1. **Qualitative Analysis**—Elementary course required of technical and scientific students. Prerequisite: A and B, D, or 2 credit points. Two hours attendance. Four hours laboratory. Two hours credit. First semester.

ADJUNCT PROFESSOR BORROWMAN

2. **Qualitative Analysis**—1 continued. An introduction to quantitative analysis is included. Elementary course required of technical and scientific students. Prerequisite: Course 1. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

ADJUNCT PROFESSOR BORROWMAN

- 1 and 2 (combined), **Qualitative Analysis**—Prerequisite: Same as Course 1. Four hours attendance. Eight hours laboratory. Four hours credit. Second semester.

PROFESSOR DALES

5. **Qualitative Analysis**—Study of characteristic reactions for the rarer elements and their application to analytical purposes; elementary spectroscopic analysis; dry way reactions. Prerequisite: Courses 1 and 2. Two hours lecture. Four hours laboratory. Two hours credit. First semester.

MR. BARNEBEY

7. **Quantitative Analysis**—Gravimetric determinations of the more important bases and acids, including complete analyses of ores, limestones, and alloys. Prerequisite: Courses 1 and 2. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. First and second semester.

MR. BARNEBEY

8. **Quantitative Analysis**—7 continued. Volumetric analysis, electrolytic analysis, the sanitary analysis of water and the analysis of gases. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. First and second semesters.

MR. BARNEBEY

20. **Dental Chemistry**—Chemistry and metallurgy as applied to dentistry. Two hours lecture. Four hours laboratory. Two hours credit. Second semester. ADJUNCT PROFESSOR BORROWMAN

21. **Assaying**—Qualitative examination of ores. Blow-pipe and chemical tests for the common ores and minerals. Principles of fire assays for gold, silver, and lead in ores and metallurgical products. Prerequisite: Courses 1 and 2. Two hours lecture. Four hours laboratory. Two hours credit. First semester.

ADJUNCT PROFESSOR BORROWMAN

22. **Assaying**—21 continued. Volumetric and gravimetric methods for the determination of silver, copper, zinc, lead, tin, and iron. Two hours lecture. Four hours laboratory. Two hours credit. Second semester.

ADJUNCT PROFESSOR BORROWMAN

39. **Advanced Analytical Chemistry**—A more extended study of chemical analysis than that offered in Courses 7 and 8. Laboratory practice leading to analytical research. Six to fifteen hours laboratory. Two to five hours credit. First semester.

PROFESSOR DALES

40. **Advanced Analytical Chemistry**—39 continued. Second semester.

41. **Urine Analysis and Toxicology**—Chemical composition of urine in health and in disease; methods for the detection of abnormal constituents. Physiological properties and methods for detecting poisons. Prerequisite: Courses 1, 2, 3, and 4. Four hours lecture. Eight hours laboratory. Four hours credit. First semester.

ADJUNCT PROFESSOR FOSSLER

ORGANIC AND PHYSIOLOGICAL CHEMISTRY

3. **Organic Chemistry**—The aliphatic series; important classes of organic substances; preparation in the laboratory of typical compounds. Prerequisite: Courses 1 and 2. Three hours lecture. Six hours laboratory. Three hours credit. First semester.

ADJUNCT PROFESSOR FOSSLER

- 3a. **Organic Chemistry**—The aliphatic and benzene derivatives as in courses 3 and 4, but presented in an abbreviated form for four-year medical and dental students only. Prerequisite: Courses 1 and 2. Five hours lecture. Six hours laboratory. Four hours credit. First semester. MISS GRAHAM
4. **Organic Chemistry**—The benzene series; treated like course 3 in regard to subject matter and laboratory preparations. Prerequisite: Courses 1, 2, and 3. Three hours lecture. Six hours laboratory. Three hours credit. Second semester. ADJUNCT PROFESSOR FOSSLER
15. **Advanced Organic Chemistry**—For students who desire a more extended knowledge of organic chemistry than that offered in courses 3 and 4, or who wish to specialize. Prerequisite: Courses 1, 2, 3 and 4. Three hours attendance. Four hours laboratory. Two hours credit. First semester. CHANCELLOR AVERY
16. **Advanced Organic Chemistry**—15 continued. Second semester.
34. **Physiological Chemistry**—Organic compounds and chemical processes of physiological importance. Useful in subsequent study of practical medicine. Prerequisite: Courses 1, 2, and 3. Four hours lecture. Eight hours laboratory. Four hours credit. Second semester. ADJUNCT PROFESSOR FOSSLER
13. **Food Chemistry**—Chemical processes of nutrition; practical laboratory course in food analysis. Prerequisite: Courses 1, 2, 3, and 4. Three hours lecture. Six hours laboratory. Three hours credit. First semester. ADJUNCT PROFESSOR FOSSLER
14. **Sanitary Chemistry**—Chemical nature of preservatives, disinfectants, cleaning agents, etc., with laboratory practice in detecting adulterants, impurities and determining values chemically. Prerequisite: Courses 1, 2, 3, 4, and 13 or 34. Three hours lecture or conference. Six hours laboratory. Three hours credit. Second semester. ADJUNCT PROFESSOR FOSSLER
42. **Nitrogen Chemistry**—An elective lecture course of one hour per week on the compounds of nitrogen, inorganic and organic. Prerequisite: General inorganic and organic chemistry. One hour credit. Second semester. ADJUNCT PROFESSOR FOSSLER

PHYSICAL CHEMISTRY

25. **Physical Chemistry**—Elementary course, the general principles of physical chemistry with applications to chemistry and to other sciences; designed for students in the Engineering and Medical Colleges. Prerequisite: Courses 1, 2, 3, and 4. Two hours lecture. Two hours credit. First semester. PROFESSOR DALES
27. **Physical Chemistry**—Laboratory course. Methods of most general application to chemistry. May be taken with or after course 25. Six hours laboratory. Two hours credit. First semester. PROFESSOR DALES
31. **Physical Chemistry**—Advanced studies of the properties of gaseous, liquid and solid substances, the laws of vapor and of osmotic pressure, the theories of solution and electrolytic dissociation, and the laws of affinity and thermo-chemistry. Prerequisite: Courses 1, 2, 3, 4, and 25. Two hours lecture. Two hours credit. First semester. PROFESSOR DALES
32. **Physical Chemistry**—31 continued. Second semester.

TECHNICAL AND METALLURGICAL CHEMISTRY

23. **Engineering Chemistry**—Required of all engineering students. Analysis of fuels, gases, boiler waters, Portland cement and iron. Prerequisite: Courses 1 and 2. Two hours lecture. Four hours laboratory. Two hours credit. First and second semesters. ADJUNCT PROFESSOR BORROWMAN
43. **Electro-Chemistry**—Electro-metallurgy; preparation of compounds in electric furnace; electrolytic manufacture of inorganic and organic compounds, etc. Prerequisite: Courses 1, 2, 3, and 4. Three hours lecture. Three hours credit. First semester. PROFESSOR DALES

EDUCATION

[SEE TEACHERS COLLEGE]

ELOCUTION

[SEE RHETORIC]

ENGLISH LANGUAGE AND LITERATURE

HEAD PROFESSOR SHERMAN, ASSOCIATE PROFESSOR WALLACE, ASSOCIATE PROFESSOR STUFF, ASSOCIATE PROFESSOR POUND.

GENERAL INFORMATION

Courses 1 and 2, dealing with elements and first principles of criticism, are introductory to all the other work of the department.

Candidates for the Teachers' Certificate in this department must have completed acceptably courses 1, 2, 11, 12, 17, 18, 30a, 30b.

Candidates offering English Literature as a major, for the degree of Master of Arts, must have completed as undergraduates at least courses 1, 2, 5, 6, 11 and 12, and must include among graduate subjects courses 17, 18, 33 and 34.

PRIMARILY FOR UNDERGRADUATES

1. **English Literature**—Introductory. Literary elements and principles, with illustrative study of modern poetry and prose. First and second semesters. Three hours attendance. Three hours credit.
ASSOCIATE PROFESSOR WALLACE, ASSOCIATE PROFESSOR STUFF
2. **English Literature**—1 continued. Masterpieces in the drama, novel, short story, dramatic monologue, and interpretative poetry and prose. First and second semesters. Three hours attendance. Three hours credit.
ASSOCIATE PROFESSOR WALLACE, ASSOCIATE PROFESSOR STUFF
3. **Shakespeare**—First studies in the literary art of this author. *Macbeth*, studied in daily written exercises and library readings, with independent investigation of special topics on the art and literary history of the play. Three hours attendance. Three hours credit. First semester.
ASSOCIATE PROFESSOR WALLACE
4. **Shakespeare**—3 continued. Written studies in *Hamlet* and *Othello*. Three hours attendance. Three hours credit. Second semester.
ASSOCIATE PROFESSOR WALLACE
5. **The History of English Literature**—A survey of the development of English literature, the rise of literary forms, periods of literary history, and various formative and other influences. Special class Study of Chaucer, Spenser, Milton, and others. Three hours attendance. Three hours credit. First semester.
ASSOCIATE PROFESSOR POUND

6. **The History of English Literature**—5 continued. Second semester.
ASSOCIATE PROFESSOR POUND
7. **Comparative Literature in English**—Intensive study of Job and other Hebrew literature. Comparative studies on kindred themes, from Greek, Celtic, English, Spanish, and German literature. Prerequisite: Courses 1 and 2. Two hours attendance. One or two hours credit. First semester. ASSOCIATE PROFESSOR STUFF
8. **Comparative Literature in English**—Literary art in Matthew, Mark, Luke, and John. Comparative studies from Swedish, French, Italian, English, and American literature. Prerequisite: Courses 1 and 2. Two hours attendance required. One or two hours credit. First semester. ASSOCIATE PROFESSOR STUFF
9. **Nineteenth Century English Poets**—English poets from 1798 to 1900. The romantic movement of the early nineteenth century. Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, Landor. The Victorian period. Tennyson, the Brownings, Clough, Arnold, Rossetti, Morris, Swinburne. Preliminary completion of courses 5 and 6, though desirable, is not essential. Two hours credit. First semester. ASSOCIATE PROFESSOR POUND
10. **Nineteenth Century English Poets**—9 continued. Two hours credit. Second semester. ASSOCIATE PROFESSOR POUND
11. **English Literature**—Literary art and diction. Written studies of Tennyson's *Princess* and Emerson's *Nature Addresses*. Prerequisite: Courses 1 and 2. Three hours attendance. Three hours credit. First semester. HEAD PROFESSOR SHERMAN
12. **English Literature**—11 continued. Daily written exercises of appreciation and criticism, in selected specimens of best literature. Three hours attendance. Three hours credit. Second semester.
14. **American Literature**—Its relation to the national life and thought. Lectures, collateral readings, and reports. Two hours credit. Second semester. ASSOCIATE PROFESSOR POUND

FOR UNDERGRADUATES AND GRADUATES

15. **Current Comparative Literature**—Literary art of today. Comparative view of means, modes, and influences. Reading of select dramas, novels, and short stories from modern Scandinavian, German, Russian, French, Italian, Spanish, English, and American writers. Prerequisite: Courses 1 and 2. May be taken

with 11 and 12. Acquaintance with French and German or other foreign languages is desirable, but not essential. Two hours attendance. Three hours credit. First semester.

ASSOCIATE PROFESSOR WALLACE

- 15a. **The Short Story**—Art of the modern short story in America, England, Russia, Germany, France, and Italy, with a survey of its evolution. Entrance by permission. Two hours attendance. Two hours credit. First semester.

ASSOCIATE PROFESSOR WALLACE

- 15b. **The Short Story**—15a continued. Second semester.

ASSOCIATE PROFESSOR WALLACE

16. **Current Comparative Literature**—15 continued. Two hours attendance. Three hours credit. Second semester.

ASSOCIATE PROFESSOR WALLACE

17. **Essentials of Old English: Outline of Old English Grammar**—Reading at earliest moment of prose and poetic specimens. *Beowulf*, through 500 lines. Introductory to the history of the English language and the history of Old English literature. Four hours attendance. Four hours credit. First semester.

ASSOCIATE PROFESSOR POUND

18. **Old and Middle English and History of the English Language**—17 continued. *Beowulf* continued. The development of the language traced from Old to Modern English, the history of inflections, sound changes, spelling, etc. Outline of Middle English grammar. Reading of selected Middle English texts before Chaucer. Four hours credit. Second semester.

ASSOCIATE PROFESSOR POUND

19. **The Novel**—Its relation to the expression of life. Study of modes and art principles in the interpretation of life. Two hours attendance. Two hours credit. First semester.

ASSOCIATE PROFESSOR STUFF

20. **The Novel**—19 continued. Two hours attendance. Two hours credit. Second semester.

ASSOCIATE PROFESSOR STUFF

21. **Elizabethan-Jacobean Drama**—Shakespeare's contemporaries to the readjustment of the theaters, 1610. Reciprocal influences. Principles of the drama. Study of the play-houses. Prerequisite:

Courses 1 and 2. Two hours attendance. Weekly conferences. Three hours credit. First semester.

ASSOCIATE PROFESSOR WALLACE

22. **Elizabethan-Jacobean Drama**—21 continued. Shakespeare's contemporaries and successors from 1610 to 1642. Introduction to scientific methods of investigation. Two hours attendance. Weekly conference. Three hours credit. Second semester.

ASSOCIATE PROFESSOR WALLACE

23. **Browning**—Written studies of *Luria*, *Return of the Druses*, *Pippa Passes*. Two hours attendance. Two hours credit. First semester.

ASSOCIATE PROFESSOR WALLACE

24. **Browning**—23 continued. *The Ring and the Book*; *Sordello*. Second semester.

ASSOCIATE PROFESSOR WALLACE

25. **Shakespeare**—Advanced studies in dramatic art, as represented in *Cymbeline*, *The Winter's Tale*, *Coriolanus*. Two hours attendance. Two hours credit. First semester.

ASSOCIATE PROFESSOR SHERMAN

26. **Shakespeare**—25 continued. *Romeo and Juliet*, *Twelfth Night*, *King Lear*. Two hours attendance. Two hours credit. Second semester.

ASSOCIATE PROFESSOR SHERMAN

27. **English Ballads**—Introduction to the study of popular poetry. Reading of selected ballads of England and Scotland, with some references to ballads in other literatures. The ballad revival in the eighteenth century. Modern imitative ballads. One hour attendance. One hour credit. First semester.

ASSOCIATE PROFESSOR POUND.

29. **English Lyric Poetry**—Nature of the lyric. Survey of leading lyric kinds and types: ballads, sonnets, odes, elegies, etc. History of the English lyric. Two hours attendance. Two hours credit. First semester.

ASSOCIATE PROFESSOR POUND

- 30a. **Teachers' Course in English Language and Literature**—A practical study of the synthetic, interpretative and technical phases of presenting this subject in all primary and secondary grades. Special attention given to outlining of courses, development of material, selection of books for school libraries and home readings. Experience in the preparation and presentation of topics will be gained in connection with the Practice Course in

Teaching the English Language and Literature. (See Educational Theory and Practice.) Lectures, written reports, observation reports, criticism, library readings. Prerequisite: Courses 1, 2, 11, 12. Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR SHERMAN, ASSOCIATE PROFESSOR STUFF

- 30b. **Teachers' Course**—30a continued. Prerequisite: Courses 1, 2, 11, 12, 17, 30a. Two hours attendance. Two hours credit. Second semester.

HEAD PROFESSOR SHERMAN, ASSOCIATE PROFESSOR STUFF

31. **Principles of Dramatization**—Construction in the drama of Shakespeare, Molière, Schiller, and Goethe. Two hours attendance. Two hours credit. First semester. HEAD PROFESSOR SHERMAN

32. **Principles of Dramatization**—31 continued. Construction in the drama of Corneille, Calderon, Goldoni, Maeterlinck, Ibsen, and in the classic drama. Second semester.

HEAD PROFESSOR SHERMAN

PRIMARILY FOR GRADUATES

33. **Advanced Old English**—Open to students who have a working knowledge of the language. The special mode of study varies according to the needs or equipment of the class. Serves often as an introduction to comparative Teutonic philology. Outline of general phonetics included if necessary. Precedent or accompanying study of Gothic and Old High German recommended. Two hours attendance. Two hours credit. First semester.

ASSOCIATE PROFESSOR POUND

34. **Advanced Old English**—33 continued. Second semester.

ASSOCIATE PROFESSOR POUND

35. **History of Old English Literature**—Reading of texts in translation. Study of textual and manuscript criticism, disputed readings, dates, problems of authorship and interpolation, historical and mythological elements, history of opinion, etc. One hour attendance. One hour credit. First semester.

ASSOCIATE PROFESSOR POUND

36. **History of Old English Literature**—35 continued. Second semester.

- [37. **The Mediaeval Drama**—Development of the liturgical drama. Origins and growth of Mysteries, Miracles, and Moralities in England and continental Europe. Studies of text and form. Two hours attendance. Two hours credit. First semester.]
Not given in 1909-1910.

ASSOCIATE PROFESSOR WALLACE

- [38. **Pre-Shakespearean Drama**—Development of the new English drama to Marlowe. Two hours attendance. Two hours credit. second semester.] Not given in 1909-1910.

ASSOCIATE PROFESSOR WALLACE

39. **Seminary in English Literary Prose**—Study of development and excellencies. Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR SHERMAN

40. **Chaucer**—Literary and linguistic studies. Informal lectures on contemporary fourteenth century life and literature. Two hours attendance. Two hours credit. Second semester.

ASSOCIATE PROFESSOR POUND

41. **Seminary in Criticism**—Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR SHERMAN

42. **Seminary in Present Literary Forms and Tendencies**—Two hours attendance. Two hours credit. Second semester.

HEAD PROFESSOR SHERMAN

43. **Celtic Sentiment and Thought in its Relation to English Literature**—A survey of early Irish and Welsh literature with special study of the Arthurian sources. Admission on consent of the instructor. Two hours attendance. Two hours credit. First semester.

ASSOCIATE PROFESSOR STUFF

44. **Celtic Sentiment and Thought in its Relation to English Literature**—43 continued. Celtic influence upon the English romantic movement. Two hours attendance. Two hours credit. Second semester.

ASSOCIATE PROFESSOR STUFF

45. **Seminar**—Studies in the Elizabethan drama. Investigations of special topics. Methods of scientific research. Consultations and formal reports. Admission upon approval of instructor. Two hours attendance. Two hours credit. First semester.

ASSOCIATE PROFESSOR WALLACE

46. **Seminar**—45 continued. Direction of individual studies in the drama, novel, short story, or other literary form. Modern scholastic methods of research. Two hours credit. Second semester. ASSOCIATE PROFESSOR WALLACE
47. **Research**—Course in development of elements and form in English prose. Two hours attendance. Two hours credit. First semester. HEAD PROFESSOR SHERMAN
48. **Research**—Course in development of elements and form in poetry. Second semester. HEAD PROFESSOR SHERMAN

ENTOMOLOGY

HEAD PROFESSOR BRUNER, ADJUNCT PROFESSOR SWENK

Courses 1 and 2, or their equivalent, must precede all other courses in entomology except 10.

Courses 5, 7, 9, 12 and 13 may be taken in the second semester as well as the first.

GRADUATE WORK

A candidate for the degree of Master of Arts in entomology must have had Zoology 1 and 2, or their equivalents, in addition to Entomology 1 and 2. He should be able to read Latin and either French or German.

MASTER OF ARTS

As his major for the degree of Master of Arts the student may choose either courses 5 and 6 or 7 and 8. He may elect his first and second minors from the other courses offered as graduate studies in this department or from the courses offered as graduate studies in the department of zoology.

The work in this department is of so technical a nature that each student should consult with the head of the department before registering for graduate work.

COURSES

PRIMARILY FOR UNDERGRADUATES

1. **General Entomology**—Structure, development, and transformation of insects. Two hours attendance. Four hours laboratory. Two hours credit. First semester. HEAD PROFESSOR BRUNER
2. **General Entomology**—1 continued. In addition, the collection and classification of insects. Six hours laboratory and field work. Two hours credit. Second semester. HEAD PROFESSOR BRUNER

3. **Economic Entomology**—Life-histories and habits of insects, with remedies. One hour attendance. Two hours laboratory. One hour credit. First semester. HEAD PROFESSOR BRUNER
4. **Economic Entomology**—3 continued. Chiefly field and laboratory work. Second semester. HEAD PROFESSOR BRUNER

FOR UNDERGRADUATES AND GRADUATES

5. **Systematic Entomology**—Field and laboratory work, with special groups. One or more hours credit. First semester. HEAD PROFESSOR BRUNER
6. **Systematic Entomology**—5 continued. Second semester.
7. **Economic Entomology**—Advanced course. All the insects affecting any host plant. Laboratory and field work. One or more hours credit. First semester. HEAD PROFESSOR BRUNER
8. **Economic Entomology**—7 continued. Second semester.
9. **Horticultural Entomology**—Insect enemies of the orchard, vineyard and garden. One or more hours credit. First semester. HEAD PROFESSOR BRUNER
10. **Domestic Entomology**—Insects troublesome to man and beast. Two hours attendance. Three hours laboratory and reading. Two hours credit. Second semester. HEAD PROFESSOR BRUNER
11. **Forest Entomology**—Insects of the forest. Lectures and laboratory. Two hours credit. First semester. HEAD PROFESSOR BRUNER
12. **Special Training Course**—Intended to prepare students as government or experiment station investigators in entomology. Admission by consent of instructor. Two hours lecture. Ten or more hours laboratory and field work. Four or more hours credit. HEAD PROFESSOR BRUNER
13. **"Insects and Disease," or Medical Entomology**—A study of insects in their relation to certain human diseases. One hour attendance. Three hours laboratory. One hour credit. HEAD PROFESSOR BRUNER
14. **General Entomology for the Teachers' Course**—A series of lectures on the development, classification and life-history of insects. Three lectures per week. First semester. Two hours credit. HEAD PROFESSOR BRUNER

EUROPEAN HISTORY

[SEE HISTORY]

FRENCH

[SEE ROMANCE LANGUAGES]

GEOLOGY

HEAD PROFESSOR BARBOUR, MISS BARBOUR, MR. SCHRAMM

Elementary Botany, Chemistry 1 and 2, and Zoology should precede the study of Geology. A knowledge of French and German is of prime importance for advanced work and collateral readings. As far as possible courses are repeated each semester.

Courses leading to advanced degrees are arranged, on consultation, to meet the needs of the candidates.

GEOLOGY

1. **Elementary Geology**—Dynamical and Historical. Collateral readings, examination and determination of about 200 common minerals, rocks, and fossils. Three hours attendance. Three hours credit. First semester.

HEAD PROFESSOR BARBOUR

3. **Advanced Geology**—Collateral readings. Experimental and laboratory and field work. Two hours credit. First semester.

HEAD PROFESSOR BARBOUR

7. **Practical Course**—Teachers' course. Study of the common crystals, minerals, rocks and fossils. Lectures and field excursions. Three hours attendance. One hour credit. Second semester.

HEAD PROFESSOR BARBOUR

8. **Map Construction and Interpretation**—Teachers' Course. Map-drawing and coloring; modelling in papier mache, clay, wax and other media; making plaster and gelatine moulds; casting in plaster of Paris. Suited to various grades. One hour credit. First semester.

HEAD PROFESSOR BARBOUR, MISS BARBOUR, MISS WEBSTER

PALEONTOLOGY

9. **Zoological Geology**—An elementary study and comparison of living and fossil forms. One hour attendance. Two hours laboratory. One hour credit. First semester.

HEAD PROFESSOR BARBOUR

10. **Zoological Geology**—9 continued. Second semester.
11. **Local Paleontology**—Fossils of the state. Designed primarily for teachers. Prerequisite: Course 9. One or two hours credit. First and second semesters.

HEAD PROFESSOR BARBOUR, MISS BARBOUR

12. **Local Paleontology**—Special problems. Designed primarily for graduate students. Credit conditioned on results. First and second semesters.

HEAD PROFESSOR BARBOUR

MINERALOGY AND CRYSTALLOGRAPHY

13. **Elementary Mineralogy**—For students and teachers who wish a general knowledge of common minerals, rocks, and certain ores. One hour attendance. Two hours laboratory. One hour credit. First semester.

HEAD PROFESSOR BARBOUR

15. **Mineralogy**—Blow-pipe analysis of minerals. One or two hours attendance. Two to five hours laboratory. One or two hours credit. First and second semesters. To be preceded by Course 17.

MR. SCHRAMM, HEAD PROFESSOR BARBOUR

16. **Mineralogy**—15 continued. First and second semesters.

17. **Crystallography**—Crystallographic forms and measurements, mathematical relations, physical and optional properties. To precede or accompany Course 15. One or two hours attendance. Two to five hours laboratory. One or two hours credit. First semester.

HEAD PROFESSOR BARBOUR

LITHOLOGY

18. **Elementary Lithology**—For teachers and others who wish a general knowledge of rocks. One hour attendance. Two hours laboratory. One hour credit. Second semester.

MR. SCHRAMM

20. **Advanced Lithology**—A study of rocks and rock-forming minerals determined by means of physical, optical and chemical methods. Prerequisite: Course 11, 13, and 17. One or two hours credit. second semester.

MR. SCHRAMM

GEOGRAPHY AND ECONOMIC GEOLOGY

PROFESSOR CONDRA, ASSISTANT PROFESSOR LOVELAND, ADJUNCT PROFESSOR
BENGTON

Course 1-6 and 25 are open to all students. Numbers 7, 9 and 10 are taken to best advantage with either 1 or 3. Course 8 correlates with course 2. Instruction in industrial and economic geography is designed for the second or third year.

Graduate instruction leading to the second and third degrees is offered. Theses are based on original work done in the laboratory and field.

GEOGRAPHY**FOR UNDERGRADUATES AND GRADUATES**

1. **Physical Geography**—An introductory lecture and laboratory course upon general physiography. Some of the topics discussed are: Principles of geography; the common minerals, rocks and structures; weathering of minerals and rocks; relief features of the first order; the ocean, its basins, deeps, islands, composition, temperature, movements, exploration, life and navigation; shore lines—types, development, harbors, surveys; rivers and valleys; plains and plateaus; mountains; volcanos and earthquakes; snow fields and glaciers; the distribution of heat belts, rainfall and life regions. An attempt is made to describe the leading physiographic processes, to account for the land and water forms, and to show their relation to life and industry. The lectures are fully illustrated by lantern, maps, models and specimens. Conferences arranged for teachers. Students carrying this course are advised to take also one or both of the related courses, 7 and 9. Two hours attendance. Four hours laboratory and library. Two hours credit. First semester.

PROFESSOR CONDRA, ADJUNCT PROFESSOR BENGTON

2. **Geography of North America**—A summary study of the political divisions, relief, drainage slopes, coast lines, climate, evolution and structure of the continent, and a fuller treatment of each of the seventeen topographic regions; the structure, physiographic history, topography and drainage, resources and industries, and geographic control of the settlement and development of each region. Attention is given to the literature of the subject. The

course is suited to all students who wish a knowledge of the geography of our country. The Great Plains Region is emphasized. Lectures are illustrated. The correlating course is number 8. Two hours attendance. Four hours library and laboratory. Two hours credit. Second semester.

PROFESSOR CONDRA, ADJUNCT PROFESSOR BENGTSO

- 3. Theory and Practice of Teaching Geography**—This course can be taken to best advantage when preceded by courses 1 and 2. It is open, however, to all persons preparing to teach geography. Both subject-matter and method are emphasized. Visits to the grade schools of the city, and to the Teachers College High School. Some of the topics treated by class discussions and lectures are: Geography by grades in the state course of study; the purpose and management of excursions and field studies; illustrative materials and laboratory exercises; the library; the place of industrial and commercial geography, regional geography illustrated by a study of Nebraska. Two hours attendance. Library, laboratory, field, four hours. Two hours credit. First semester.

PROFESSOR CONDRA, ADJUNCT PROFESSOR BENGTSO

- 4. The Atmosphere**—A study of the meteorology and geography of the atmosphere. The course is designed to meet the practical needs of students in agriculture and forestry. Some of the topics considered are: The physical and chemical nature of the atmosphere; distribution of heat and atmospheric pressure; wind systems; humidity and rainfall; storms; hot winds; changes and fluctuations of climate; climatology in its relation to deserts, prairie land, forests, agriculture, and the distribution of people. Students are taught the construction of weather maps and climatic charts, forecasting, and the use and care of meteorological instruments. Experiments of various kinds are performed in the wet laboratory. Two hours attendance. Four hours laboratory. Two hours credit. First and second semesters.

ASSISTANT PROFESSOR LOVELAND, ADJUNCT PROFESSOR BENGTSO

- 5. Industrial Geography**—This course gives a general survey of the geographic control of industry; the principal commercial raw materials as shown by museum specimens; the forms, processes and commercial relations of certain mineral and agricultural industries as coal, petroleum, iron, quarrying, copper, gold and

silver, cotton, rice, the sugars, coffee and tea, wheat, and corn. The subject is made concrete by the use of illustrative materials and well selected sets of lantern slides. Two hours attendance. Four hours museum and library. Two hours credit. First semester.

PROFESSOR CONDRA, ADJUNCT PROFESSOR BENGTON

6. **Economic Geography**—This course considers the geographic influences of seasons; hot, cold, dry and humid climates; geologic structures; glacial, alluvial and dune sand soils; certain forms of drainage and topography; types of coast line; water and valley highways; and a brief study of the economic geography of the leading European commercial countries in their relation to the United States. Two hours attendance. Four hours library and laboratory. Two hours credit.

ADJUNCT PROFESSOR BENGTON

7. **Physical Geography, Laboratory Course**—To accompany or follow course 1. So far as possible the work offered is arranged to meet the individual needs of teachers and students. It is designed to emphasize the inductive study of physical geography. Among the topics treated are the following: Globe and model studies; interpretation and use of physical and topographic maps; map drawing and coloring; relief sketching; modeling with different media; a study of type land forms and the development of drainage by means of maps, models and folios. The physiographic processes are illustrated and the various land and water forms developed in the wet laboratory. Rock structures and weathering are taught by use of specimens. Three or six hours laboratory. One or two hours credit. First semester.

ADJUNCT PROFESSOR BENGTON

8. **Regional Geography, Laboratory Course**—Designed to accompany course 2. It affords teachers and students an opportunity to become better acquainted with this department of laboratory and library study than is offered in the general course. Topographic maps, coast maps, geologic atlases, climatic charts, Water Supply Papers, soil reports, various bulletins, and models are used in these studies. Three hours laboratory. One hour credit. Second semester.

ADJUNCT PROFESSOR BENGTON

9. **Field Geography**—Ladies and gentlemen are registered in separate classes. Excursions are made to points of geographic interest near Lincoln, Milford, Pleasant Dale, Roca, South Bend and Louisville. A study is made of rivers, flood plains, terraces, glacial deposits, rock ledges, escarpments, talus slopes, valleys, quarries, building materials, and sand dredging. Persons wishing the course should consult with one of the instructors before registering. Credit depending on time and results, usually one hour.

ADJUNCT PROFESSOR BENGTSON, MRS. CONDRA

10. **Field Geography**—Course 9 continued. Second semester.
11. **Seminar**—Primarily for graduate students. Credit determined by results and time. First semester. PROFESSOR CONDRA
12. **Seminar**—Course 11 continued. Second semester.

FIELD AND ECONOMIC GEOLOGY

This instruction is planned for engineering and agricultural students, but may be elected by others, especially those who wish to prepare for work on the U. S. Geological Survey or to do commercial work.

With approved substitutions and electives students can prepare appropriately in the Civil Engineering group, for work in conservation and geological engineering.

The electives and substitutions are to be recommended by the Professors of Civil Engineering and Economic Geology and approved by the Dean of the College of Engineering. (See note under College of Engineering.)

21. **Field Geology**—Open to all men students; excursions to outcropping formations, quarries, gravel pits and sand dredges along Salt Creek, Blue River and the Platte. Use of the aneroid barometer, level, transit, plane table, camera and drawing materials as employed on geological surveys. Mapping and descriptions. Collateral readings. One or two hours credit depending on results. First and second semesters. ADJUNCT PROFESSOR BENGTSON

22. **Field Geology**—Prerequisites 21 or 25. Geological survey methods are employed. Students learn to do topography, areal geology, stratigraphy and field work in the geology of water supplies, stone, clay and sand. Credit depending on time and results. First and second semesters. PROFESSOR CONDRA

25. **Engineering Geology**—The properties, origin, occurrence, and use of certain rock-forming minerals; types of structure; periods and systems; the geology of mineral fuels, water supplies, sand and gravel, building stone, cement materials, road materials, and clay. The various materials are studied in the laboratory. Examination and reports on quarries, clay pits and sand deposits; lectures illustrated by lantern, specimens and maps. Two hours attendance. Four hours library, laboratory and field. First semester. Two hours credit.

PROFESSOR CONDRA, ADJUNCT PROFESSOR BENGTON

26. **Mining Geology**—This lecture and laboratory course includes a review of the geologic periods and systems; rock structures and cavities; the nature and motions of ground water; concentration and enrichment of ores; the classification of ore bodies, and special discussions of iron, copper, lead, zinc, gold and silver. Districts and technology are shown by lantern slides. Two hours attendance. Four hours laboratory and library. Two hours credit. Second semester.

PROFESSOR CONDRA, ADJUNCT PROFESSOR BENGTON

28. **Agricultural Geology**—A study of soil forming, road and cement-making minerals and rocks; the leading geologic structures; rock weathering and soil erosion; ground water; rural water supplies; drainage and topographic conditions of agricultural relation; evolution of farm animals as shown by fossils; the structure and soil regions of Nebraska; the agricultural importance of the "Red bed," Pierre, Bad land, Loup Fork, glacial, loess, alluvial and dune sand formations. Two hours attendance. Four hours laboratory, field and library. Two hours credit. Second semester.

PROFESSOR CONDRA, ADJUNCT PROFESSOR BENGTON

GERMANIC LANGUAGES AND LITERATURES

HEAD PROFESSOR FOSSLER, PROFESSOR GRUMMANN, ASSISTANT PROFESSOR HEPPNER, ADJUNCT PROFESSORS SCHRAG, BAUMGARTNER,
INSTRUCTOR CHAMBERLAIN, FELLOWS

GENERAL INFORMATION

The University finds it necessary to offer elementary or beginning courses in German notwithstanding the fact that some sixty high schools

in the state maintain such courses. Accordingly the first four semesters are devoted to a mastery of the fundamental facts and principles of the language as such. The study of literature proper is not begun until the fifth semester. The courses in Conversational German, too, presuppose a preparation of at least two college or three high-school years.

Courses 5-10 inclusive represent the lines of work which third-year students may pursue with profit, while Courses 11-19 are open, generally speaking, to fourth-year students. Specially strong and well prepared third-year students may likewise be admitted to these advanced courses. To insure a wise and profitable selection of studies, students are urged to consult with the department before registering.

GRADUATE WORK

For the present the size of the teaching force and the subsidiary facilities at its command do not justify undertaking graduate work beyond the requirements leading to the Master of Arts degree. Before beginning such graduate studies, the candidate must have had at least the equivalent of six full (five-hour) semesters of college German. The advanced work may be along either literary or philological lines, though all candidates, whether interested in pure linguistics or in literature, should take up the more fundamental courses—Phonetics, Gothic, and Comparative Grammar. Adequate assistance and directions for the successful prosecution of literary studies are given in lectures, reports, and frequent interviews. The University Library contains the more representative works of German literature which, with an adequate supply of critical and biographical material, afford the student ample facilities for this line of work.

A candidate may make such a combination of courses as best suits his needs. Since the department's purpose is to encourage a thorough mastery of certain phases of Germanics rather than to insist upon set or prescribed time limits, no definite statement of required hours can be given. From two to three semesters—the candidate giving his full time—are necessary to complete the work for the degree. Minors may be chosen either in this or in allied departments. A satisfactory thesis must precede the final examination.

COURSES

PRIMARILY FOR UNDERGRADUATES

1. **Beginners' Course**—Grammar and exercises with easy readings;

sentence-structure; word-building; vocabulary. Five hours attendance. Five hours credit. First semester.

PROFESSOR GRUMMANN, ASSISTANT PROFESSOR HEPPNER, ADJUNCT PROFESSORS SCHRAG, BAUMGARTNER, INSTRUCTOR CHAMBERLAIN, FELLOWS ———

2. **Beginners' Course**—1 continued. Reader finished. Modern narrative prose. Texts selected conform to those recommended by the Committee on 'German Units' of the North Central Association of Colleges and Secondary Schools. Hours, credit and instructors as in Course 1. First and second semesters. NOTE.—*High-school students who have had two semesters of German should register for this course.*

3. **Literary German**—For students in the College of Arts and Sciences) —Wesselhoeft's *Composition Exercises*; Charlotte Niese's *Aus dänischer Zeit*; Rosegger's *Waldheimat* or Freytag's *Die Journalisten*. Five hours credit. First and second semesters.

ASSISTANT PROFESSOR HEPPNER, ADJUNCT PROFESSORS BAUMGARTNER, SCHRAG, INSTRUCTOR CHAMBERLAIN.

4. **Literary German**—3 continued. Storm's *Pole Poppenspüler*, Arnold's *April Wetter*; Fulda's *Das Verlorne Paradies* or Heine's *Harzreise*; Schiller's *Jungfrau von Orleans*, or Meyer-Förster's *Karl Heinrich* or Lessing's *Minna von Barnhelm*. Five hours attendance. Five hours credit. First and second semesters. NOTE.—*Students who have had two years of German in a high school should register for this course.*

PROFESSOR GRUMMANN, ASSISTANT PROFESSOR HEPPNER, ADJUNCT PROFESSOR BAUMGARTNER, MISS CHAMBERLAIN

- 3a-4a. **Scientific German** (For students in the Technical Courses)—Wesselhoeft's *German Exercises*; Gore's *Science Reader*; Dippold's *Science Reader*; Helmholtz's *Populäre Vorträge* or Lassarcohn's *Die Chemie im täglichen Leben*, etc. Analysis of scientific terminology. Five hours attendance. Five hours credit. First and second semesters. ADJUNCT PROFESSOR BAUMGARTNER

5. **Introductory Literature**—Analysis and interpretation of Schiller's *Maria Stuart*; Goethe's *Iphigenie* or *Egmont*. Hatfield's collection of *German Lyrics and Ballads*, Supplementary readings of some easier texts. Three hours attendance. Three hours credit. First semester. HEAD PROFESSOR FOSSLER

6. **Introductory Literature**—5 continued. Close analysis and literary interpretation of Goethe's *Dichtung und Wahrheit*; Schiller's *Tell*, Lessing's *Emilia Galotti*. Three hours attendance. Three hours credit. Second semester. HEAD PROFESSOR FOSSLER
- 5a. **Introductory Literature**—The work of courses 5 and 6 is here done, approximately, in one semester. Designed to enable those students who finish their fourth semester German at the mid-year to prepare for advanced courses in their third year. Second semester. Five hours attendance. Five hours credit. PROFESSOR GRUMMANN, ADJUNCT PROFESSOR SCHRAG, MISS CHAMBERLAIN
7. **Conversation**—Ready and idiomatic German through class-room instruction and practice. Special attention is paid to colloquial, every-day German. Thoro review of German grammar. Three hours attendance. Three hours credit. First semester. HEAD PROFESSOR FOSSLER, ASSISTANT PROFESSOR HEPPNER, ADJUNCT PROFESSOR SCHRAG
8. **Conversation**—7 continued. Advanced composition. Second semester.
- 7a. **German Grammar and Composition**—For German speaking students. However, any student, properly prepared, may, upon consultation with the department, register for the course. First semester. Two hours attendance. Two hours credit. HEAD PROFESSOR FOSSLER
- 8a. **Deutschland und die Deutschen**—A series of lectures on things Germanic: e. g., Paszkowski's *Lesebuch*; parts of Meyer's *Das deutsche Volkstum*; Hillebrand's *German Thought*; Franke's *Glimpses of Modern German Culture*, etc. Two hours attendance. Two hours credit. HEAD PROFESSOR FOSSLER
9. **Ibsen Course**—Brand, *Stützen der Gesellschaft*, *Puppenheim*, *Ge-spenster*, *Rosmersholm*. Two hours attendance. Two hours credit. First semester. HEAD PROFESSOR FOSSLER
10. **Modern Lyrics and Ballads**—Busse's *Neuere deutsche Lyrik* and Löwenberg's *Vom goldenen Ueberflusz*. Two hours attendance. Two hours credit. Second semester. HEAD PROFESSOR FOSSLER

FOR UNDERGRADUATES AND GRADUATES

- 11-12. **Advanced Literature**—Lessing's *Nathan der Weise*, Schiller's *Wallenstein*, Goethe's *Werther* and *Faust*, Van der Smissen's *Shorter Poems* of Goethe and Schiller. Grimm's *Life and Times of Goethe*; Thomas' *The Life and Works of Schiller*. Three hours attendance. Three hours credit. First and second semesters.

HEAD PROFESSOR FOSSLER

- 13-14. **The Modern Novel and Drama**—Representative works of Hauptmann, Sudermann, Fontane, Kretzer, Halbe, Wildenbruch, Fulda, and others. Lectures and reports. Three hours attendance. Three hours credit. First and second semesters.

PROFESSOR GRUMMANN

- 15-16. **History of German Literature**—From the beginning to the death of Goethe. Scherer's *History of German Literature*, Franke's *Social Forces in German Literature* are made the bases of the work. Lectures, reports and readings. Three hours attendance. Three hours credit. First and second semesters.

ADJUNCT PROFESSOR BAUMGARTNER

17. **Germanic Mythology**—Critical study of the most important Germanic myths. Origin of myths and the relation of mythology to folk-lore. Two hours attendance. Two hours credit. First semester.

PROFESSOR GRUMMANN

18. **Germanic Hero-Lore**—Study of the most important Germanic legends with reference to their origin and growth. Sources of Wagner's *Der Ring des Nibelungen*. Two hours attendance. Two hours credit. Second semester.

PROFESSOR GRUMMANN

Open to students who have not taken course 17.

19. **Special Course for Teachers**—Review and criticism of the most important methods of teaching German. The essentials of phonetics and historical grammar. Practice teaching. Observation work and written reports in German. Open only to students upon permission of the instructor. Two hours attendance. Two hours credit. First semester.

PROFESSOR GRUMMANN

PRIMARILY FOR GRADUATES

MINORS

Courses 11, 12, 13, 14, 15, 16, 17, 18, 19, in this department may be taken as minors, but students may select minors from other departments.

(See introductory remarks.)

MAJORS

21. **Phonetics**—The work is based mainly upon Sievers' *Phonetik*. One hour attendance. One hour credit. First semester.

PROFESSOR GRUMMANN

22. **Old High German**—Selections from the older literature. Prose and verse. One hour attendance. One hour credit. Second semester.

PROFESSOR GRUMMANN

- 22a. **Middle High German**—Selections from the *Nibelungenlied*, *Walther von der Vogelweide*, *Hartmann von Aue*, etc. Transition stages between the Old and the New High German. Two hours attendance. Two hours credit. Second semester.

PROFESSOR GRUMMANN

23. **Gothic**—Grammar and readings. The language with respect to its phonology, etymological connections and inflectional system; its relation to the other German dialects. Three hours attendance. Three hours credit. First semester. HEAD PROFESSOR FOSSLER

24. **Principles of Linguistic History**—The work is based principally upon Paul's *Prinzipien* and Strong, Logemann and Wheeler's presentation of the subject. Two hours attendance. Two hours credit. Second semester. HEAD PROFESSOR FOSSLER

- 25-26. **Comparative Germanic Philology**—The fundamental principles of linguistic science, with special reference to the prehistoric relationship, the historical development and differentiation of English and German. Two hours attendance. Two hours credit. First and second semesters. HEAD PROFESSOR FOSSLER

27. **Seminary in German Naturalism**—The influence of foreign literature and social forces upon German naturalism. Psychological criticism and its relation to earlier schools of criticism. One hour attendance. One hour credit. First semester.

PROFESSOR GRUMMANN

COURSES IN SWEDISH

Instructor, August N. Anderson.

1. **Beginning Swedish**—Grammar and composition, word building, sentence structure, vocabulary, exercises with easy readings. Five hours attendance. Five hours credit. First semester.

2. **Beginning Swedish**—1 continued. Grammar and composition, select reading in easy prose and verse, conversation. Three hours attendance. Three hours credit. Second semester.
3. **Advanced Swedish**—Grammar and Composition. Reading, "Nils Holgersons Underbara Resa Genom Sverige" af Selma Lagerlöf; conversation. Three hours attendance. Three hours credit. First semester.
4. **Advanced Swedish**—3 continued. Grammar and Composition History of Scandinavian Literature, and the study of modern Swedish authors, including Selma Lagerlöf, Geijerstam Strindberg, and the reading of Tegner's "Frithiofs Saga" and Runeberg's "Fenrik Ståls Sägner." Three hours attendance Three hours credit. Second semester.

GREEK HISTORY AND LITERATURE

HEAD PROFESSOR LEES, PROFESSOR DANN

Courses 1a and 1c, 2a and 2c, are so correlated as to enable the student, while acquiring a knowledge of the language, to gain some acquaintance with the life and thought of the Greeks as reflected in their literature, history and religion. These correlated courses may, however, be taken separately.

Candidates for the Teachers' Certificate in this department should complete courses for a major: 1, 2, 3, 4, 5, 6, 7, 8, or their equivalent. One or two years of the Greek language will be found very helpful and almost essential to a thorough mastery of the Latin language.

GRADUATE WORK

MASTER OF ARTS

Requirements vary somewhat according to the preceding work of the student, but at least three years of study in the Greek language, including Courses 1, 2, 3, 4, 5, 6 or their equivalents, should be completed before proceeding to graduate work.

Majors and minors are arranged with each graduate student on consultation with the instructors. The following statements may indicate in general the requirements for majors and minors:

MAJORS: At least five hours for a year of class-room work. The entire Iliad or Odyssey read in the original. One Attic author carefully

read and style mastered. A thorough knowledge of the history and development of Greek literature from Homer to Aristotle. A thesis.

FIRST MINOR: Six hours, at least, of class-room work from courses open to graduate students, supplemented by assigned library readings.

SECOND MINOR: One-half the amount required for a first minor.

PRIMARILY FOR UNDERGRADUATES

1. **Elementary Greek**—Essential facts of the language; simple exercises and easy readings. Especially for those who have a good Latin foundation. This course, together with course 2, accomplishes in one year about the same amount of work as courses 1a, 2a, 3, 4 (all three hour studies), and makes it possible for strong students to take third year Greek (Course 5), after one year's preparation. Five hours attendance. Five hours credit. First semester.
HEAD PROFESSOR LEES.
- 1a. **Beginners' Greek**—Inflections; conjugations; simple exercises in reading and composition. Three hours attendance. Three hours credit. First semester. PROFESSOR LEES, PROFESSOR DANN
- 1c. **Greek Mythology**—Origin and significance of Greek myths, and their treatment in sculpture and painting. Two hours attendance. Two hours credit. First semester. PROFESSOR DANN
2. **Elementary Greek**—Course 1 continued. Xenophon's *Cyropaedia*. Simple composition exercises. (See Course 1.) Five hours attendance. Five hours credit. Second semester.
HEAD PROFESSOR LEES
- 2a. **Beginners' Greek**—Course 1a continued. The Greek reader; short selections from Greek literature and history. Three hours attendance. Three hours credit. Second semester.
HEAD PROFESSOR LEES, PROFESSOR DANN
- 2b. **The Greek in English**—A study of English words derived from the Greek language. Aims to give such mastery of elementary Greek that the student is able to read Xenophon's *Anabasis* (Course 3) the following semester. Five hours attendance. Five hours credit. Second semester.
HEAD PROFESSOR LEES

- 2c. **Greek History and Geography**—General survey of Greek history from the sixth century B. C. to the conquests of Alexander. Two hours attendance. Two hours credit. Second semester.

PROFESSOR DANN

3. **Xenophon's Anabasis**—Selections from Books I-IV, with prose composition. Parallel and supplementary readings from standard histories of Greece. Three hours attendance. Three hours credit. First semester.

PROFESSOR DANN

4. **The Iliad**—Books I, II and VI. Introduction to the Epic dialect and the Homeric hexameter; practice in metrical reading. Three hours attendance. Three hours credit. Second semester.

PROFESSOR DANN

5. **The Odyssey**—Three books read consecutively; sight reading from selected passages of the first twelve books. Literary study of the whole poem from the English translation. Three hours attendance. Three hours credit. First semester. Prerequisite, courses 1 and 2 or 1a, 2a, and 3.

HEAD PROFESSOR LEES

6. **Athenian Orators**—Selected orations from Lysias and Demosthenes. Athenian legal procedure. Three hours attendance. Three hours credit. Second semester.

HEAD PROFESSOR LEES

7. **Epic and Lyric Poetry**—Selections from the Iliad and Odyssey, with a literary study of the poems from translations. Selections from the Lyric Poets of Greece. Three hours attendance. Three hours credit. First semester. 1910-1911.

HEAD PROFESSOR LEES

8. **Plato**—The Apology and Crito. Survey of Greek philosophy. Socrates and his teachings. Three hours attendance. Three hours credit. Second semester. 1910-1911.

HEAD PROFESSOR LEES

FOR UNDERGRADUATES AND GRADUATES

9. **Aeschylus**—The Prometheus Bound, and one other drama in the original. A discussion of the works and literary characteristics of Aeschylus. Three hours attendance. Three hours credit. First semester. 1910-1911.

HEAD PROFESSOR LEES

10. **Sophocles**—The Antigone, and one other drama read in the original. Other works of Sophocles in translations. Greek actors,

costumes, and theatre. Three hours attendance. Three hours credit. Second semester. 1910-1911.

HEAD PROFESSOR LEES

11. **Euripides**—Two dramas read in the original. Other selected dramas of Euripides read in translations. Styles and literary characteristics of Euripides. Three hours attendance. Three hours credit. First semester. HEAD PROFESSOR LEES.

12. **Aristophanes**—The Birds, and Frogs. Rise and development of Athenian Comedy. Its relation to Roman and later comedy. Three hours attendance. Three hours credit. Second semester.

HEAD PROFESSOR LEES

13. **The Greek Historians**—Selected chapters from the works of Herodotus, Thucydides, and Xenophon. Two hours attendance. Two hours credit. First semester. HEAD PROFESSOR LEES

14. **The Greek Historians**—Course 13 continued.

15. **Plato**—The Phaedo. Greek philosophy from Thales to the death of Socrates. Plato's style and method. Two hours attendance. Two hours credit. First semester. HEAD PROFESSOR LEES

16. **Lucian**—Selected dialogues. An outline history of Greek Literature from Homer to the second century A. D. Two hours attendance. Two hours credit. Second semester.

HEAD PROFESSOR LEES

17. **Prose Composition**—Advanced course. Especially for students expecting to teach. One hour attendance. One hour credit. First semester. ASSISTANT PROFESSOR DANN

18. **Prose Composition**—17 continued. Second semester.

19. **New Testament Greek**—Selections from Pauline epistles. Two hours attendance. Two hours credit. First semester. 1910-1911. ASSISTANT PROFESSOR DANN

20. **New Testament Greek**—19 continued. Second semester.

- [21. **The History of Greek Literature from Homer to Aristotle**—Selected masterpieces of Greek literature read in English translation. Lectures and library readings on the authors studied. Two hours attendance. Two hours credit. First semester. 1910-1911. HEAD PROFESSOR LEES]

[22. **The History of Greek Literature from Homer to Aristotle**—
21 continued. Second semester.]

26. **Greek Antiquities**—Topography, architecture, theatres, temples, social customs, funeral monuments. An itinerary through Greece with lectures and illustrations from photographs and lantern slides. One hour attendance. One hour credit. Second semester.

HEAD PROFESSOR LEES

PRIMARILY FOR GRADUATES

31. **Seminary in Greek Tragedy**—Critical interpretations of one play of Aeschylus by the members of the class in turn. Other plays of Aeschylus read with attention to language style. Lectures on the development of Greek tragedy. Three hours attendance. Three hours credit. First semester. HEAD PROFESSOR LEES

32. **Seminary in Greek Tragedy**—31 continued. Selected plays of Sophocles and Euripides read with special attention to dramatic action and metrical art. Life, works and style of Aeschylus, Sophocles and Euripides. An introduction to Greek rhythmic and metric. Three hours attendance. Three hours credit.

HEAD PROFESSOR LEES

33. **Seminary in Greek Oratory**—Critical interpretation of selected orations of Demosthenes by the members of the class in turn. Rapid reading from Canon of Greek orators with reference to development of oratorical style. History and development of Attic oratory. Three hours attendance. Three hours credit. First semester. 1910-1911. HEAD PROFESSOR LEES

34. **Seminary in Greek Oratory**—33 continued. Second semester.

THE FINE ARTS

In the following courses in the history and criticism of art are considered, in addition to biographical and historical studies, the fundamental principles of aesthetic criticism; the form and spirit of art in relation to nature, to science, and to life; the conventions of architecture, sculpture, and painting. The courses consist of lectures and discussions in class, readings, and preparation of papers on assigned topics.

40. **The Interpretation of Art**—This course is intended to help students to a sound criticism and appreciation of works of art. It aims

to cultivate the aesthetic sense by discussion of the principles and qualities of art and by practice in interpreting pictures, sculpture, architecture and decorative designs. Examples are taken from various periods and schools of art. Two hours attendance. Two hours credit. First and second semesters.

PROFESSOR DANN

41. **History of Italian Art**—Painting and sculpture, from the earliest times to the Renaissance. Three hours attendance. Three hours credit. First semester.

PROFESSOR DANN

42. **History of Italian Art**—41 continued. The times of Leonardo da Vinci, Michelangelo, Raphael, and their successors. Three hours attendance. Three hours credit. Second semester.

PROFESSOR DANN

43. **Representative Painters of the Dutch and Flemish Schools**—Studies in portrait and landscape painting. Three hours attendance. Three hours credit. First semester.

PROFESSOR DANN

44. **Modern Painting**—A study of the art of the nineteenth century in France, England and America. Three hours attendance. Three hours credit. Second semester.

PROFESSOR DANN

45. **Cathedral Architecture**—A study of typical and famous churches in Italy, France, Germany, and England. The principles of architectural construction and decoration are considered, as well as the original and development of the early Christian, Romanesque, and Gothic styles. Two hours attendance. Two hours credit. First semester.

PROFESSOR DANN

46. **Modern Architecture**—The architecture of the Renaissance is taken up and discussed, including the points wherein it resembles or differs from classic architecture. The study and criticism of modern buildings of architectural pretensions, and some consideration of the problems and conditions of modern architecture. Two hours attendance. Two hours credit. Second semester.

PROFESSOR DANN

HISTORY

AMERICAN HISTORY

HEAD PROFESSOR CALDWELL, ASSOCIATE PROFESSOR PERSINGER, ASSOCIATE PROFESSOR JONES, PROFESSOR MAXEY, MR. LEWIS.

GENERAL INFORMATION

ORDER OF COURSES

Courses 1, 2, 3, and 4 (American), 29 and 30 (English), are general or introductory, and 1 or 29 should usually be taken first by students entering the department. Those wishing to specialize or prepare for teaching should take the first four in order; but those above the Freshmen year who have time for only one year's work may, on permission of instructor, take 3 or 4 alone. Before registering for advanced courses, students are recommended to advise with instructor.

SPECIALIZATION

Students expecting to specialize in the department are advised to take, as early in their University work as possible, the general courses in European history, political science and sociology, and political economy. Those intending to specialize in debating, political economy and political science and sociology, are advised by these departments to take as early as possible the general courses in American history. Those specializing in preparation for law, journalism, business, or government service, are also advised to consult with the head of the department before registering.

TEACHERS' CERTIFICATE

Recommendations for the University Teachers' Certificate are given by the department as follows:

1. Major in American history (20 hours)—Courses 1, 2, 3, 4 and 12 required; other 6 hours elective and may include European history courses 1 and 2, or English-American history 29 and 30.

2. Major in American and English history (24 hours): American history, 14 hours—Courses 1, 2, 3, 4, and 12; English-American history, 10 hours—Courses 29 and 30 required, remaining 4 hours elective.

3. Major in American history and political science and sociology (24 hours): American history, 12 hours—Courses 1, 2, 3, and 4; political science and sociology, 12 hours—Courses 1, 2 and 3, and remaining 5 hours elective on consultation.

4. In "history": American history as a major, 16 or 24 hours; as a minor, 12 hours.

5. In other branches with American history as a minor: American history, 12 hours—Courses 1, 2, 3 and 4.

GRADUATE WORK

OBJECTS

Graduate work in the department of American history affords opportunity to prepare for any one of the following four lines of work:

1. The teaching of American history in the best high schools of Nebraska and adjoining states, and in seminaries, academies, and colleges.

2. Fellowships or instructorships in the older and larger universities.

3. Investigational work in corporate, state, or national service.

4. Historical research and writing.

TIME

From one to three (or more) years may be given to this preparation, under the direct advice and assistance of the instructors in the department, and culminating in the degrees of Master of Arts and Doctor of Philosophy. There are also exceptional opportunities for study in the collateral subjects of English and European history, political science and sociology, and political economy and commerce.

FACILITIES

The University, State, and State Historical Society libraries afford a wide range of original material for work along many lines of historical investigation. Graduate students have free access to all these libraries, and in addition have for their exclusive use a seminary room in which are placed all books needed in their special lines of research. Books not already on the shelves will be purchased or obtained from other libraries when necessary for thesis or other advanced work. Special seminary courses are offered; and special investigation in the history of Nebraska and other states on the plains region will be undertaken and the results published from time to time.

GENERAL REQUIREMENTS

Undergraduate Courses 1 to 4 and 29 and 30 do not count toward a higher degree, but these or their equivalents and a fair knowledge of general history must be presented by candidates for advanced degrees.

REQUIREMENTS FOR MASTER OF ARTS

Work for the Master's degree may be taken in the department as follows:

1. All the work for the degree, including the thesis, in the department. The minimum requirement is one full year's work, including a satisfactory thesis.

2. A major (60%) and the thesis in this department, and the remainder in either one or two other departments.

3. A double minor (40%) or a single minor (20%) in this department, and a major and the thesis in some other department.

In any case, the particular courses to be taken are arranged by the candidate and his instructors in such a manner as to conform to the plans and preparation of each applicant.

REQUIREMENTS FOR DOCTOR OF PHILOSOPHY

The minimum for the degree of Doctor of Philosophy is three full years of graduate work, including the presentation of a satisfactory thesis. The work must be taken in at least two departments and may include three. For a major, 60 per cent. of the time must be given to one department; for a double minor, 40 per cent.; and for a single minor, 20 per cent. The thesis in all cases goes with the major. The particular courses to be pursued are arranged by consultation between the candidate and the heads of the departments in which his work is to be taken. Those taking a major in this department are expected to have a good general knowledge of European history and a fair acquaintance with the principles of political economy, public law, political science, and sociology. The thesis must show a reasonable degree of original research and independent treatment.

COURSES**PRIMARILY FOR UNDERGRADUATES**

1. **Colonial Period, 1492-1763**—European discovery of and rival colonizations in America; development and institutions of the English colonies; relation to each other and to the mother country; French and Indian War. Three hours attendance. Three hours credit. First semester.

ASSOCIATE PROFESSOR PERSINGER

2. **Revolutionary Period, 1763-1785**—Continuation of 1, but open to new students. Constitutional and political relations of colonies

and mother country in 1763; causes and results of revolution and independence; beginnings of state and national governments. Three hours attendance. Three hours credit. Second semester.

ASSOCIATE PROFESSOR PERSINGER

3. **Early National Period, 1785-1829**—Formation and interpretation of constitution; foreign affairs and war of 1812; beginning of slavery struggle—the Missouri compromise; political issues. Not open to first-year students. Three hours attendance. Three hours credit. First semester.

HEAD PROFESSOR CALDWELL, MR. LEWIS

4. **Later National Period, 1820-1861**—3 continued; open to those who have had 3 and also to seniors. Development of state sovereignty; nullification; annexation of Texas; war with Mexico; annexation of territory; slavery struggle. Three hours attendance. Three hours credit. Second semester.

HEAD PROFESSOR CALDWELL, MR. LEWIS

12. **Teachers' Course**—Practical preparation for teaching of American history, especially in Nebraska schools. American history in the curriculum; equipment; qualifications of teacher; methods in Nebraska schools; texts, sources, aids, etc.; outline work. Required of every senior expecting a major recommendation in American history; can be substituted for education method course. Two hours attendance. Two hours credit. Second semester.

ASSOCIATE PROFESSOR PERSINGER

- [14. **Nebraska Problems in Legislation and Administration**—Introductory study of the sources of Nebraska life, social, political, constitutional. Problems in Nebraska law-making, administration of land, public finance, public institutions, municipal government, taxation, school, industry. Literature, records, and principles bearing upon these problems. Two hours attendance. Two hours credit. Second semester.

MR. SHELDON]

Not given in 1909-1910.

FOR UNDERGRADUATES AND GRADUATES

5. **Secession, Civil War and Reconstruction, 1860-1877**—The Civil War; its effects; the problem of reconstruction; impeachment of President Johnson; politics to 1877. Prerequisite: At least one year's work in the department. Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR CALDWELL

6. **The New Nation**—Reorganization; white supremacy in South re-established; social and industrial problems; expansion. Two hours attendance. Three hours credit. Second semester.

HEAD PROFESSOR CALDWELL.

- [7. **The American Negro, Slave and Free**—Origin, growth, conflict over, and decline of slavery in America; rise and fall of "negro equality"; the negro problem. Prerequisite: One year's work in the department or special permission of the instructor. Three hours attendance. Three hours credit. First semester.

ASSOCIATE PROFESSOR PERSINGER]

Not given in 1909-1910. Given in 1910-1911.

- [8. **History of American Political Parties**—Colonial foundations and Revolutionary beginnings; origin, course, and influence of the great parties since 1783; analyses of platforms and votes; third-party movements and their effects. Prerequisite: Courses 3 and 4 or special permission of instructor. Two hours attendance. Two hours credit. Second semester.

ASSOCIATE PROFESSOR PERSINGER]

Not given in 1909-1910. Given in 1910-1911.

9. **External Expansion**—European rivalries in America; making of the United States; diplomacy, politics, and geography of the various acquisitions; development of system of government and administration for territories and dependencies. Prerequisite: One year's work in the department or special permission of the instructor. Three hours attendance. Three hours credit. First semester.

ASSOCIATE PROFESSOR PERSINGER

Given in 1909-1910. Not given in 1910-1911.

10. **Internal Expansion**—Methods of acquiring and disposing of the public lands; means of settlement of newly opened or newly acquired territories; relations of the "West" with the older settlements and the government; characteristics and influences of the various "westward" movements. Prerequisite: One year's work in the department, or special permission of the instructor. Two hours attendance. Two hours credit. Second semester.

ASSOCIATE PROFESSOR PERSINGER

Given in 1909-1910. Not given in 1910-1911.

15. **Constitutional History of the United States**—Origin of the Union and federal system; confederation and its failure; constitution-formation and interpretation; growth of unwritten constitution; development through amendments, custom, and judicial decisions. Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR CALDWELL

Given in 1909-1910. Not given in 1910-1911.

16. **Constitutional History of the United States**—Colonial foundations, charters, etc.; formation of first state constitutions; growth of executive power—the veto; growth and extension of power of the people. Two hours attendance. Two hours credit. Second semester.

HEAD PROFESSOR CALDWELL

Given in 1909-1910. Not given in 1910-1911.

17. **American Diplomacy**—Organization of Department of State and of diplomatic service. Methods. Problems and controversies growing out of them. Change in our diplomatic policy. Two hours attendance. Two hours credit. First semester.

PROFESSOR MAXEY

- [18. **Spanish America**—Brief review of Spanish colonial development in the Americas, Spanish-American independence, and diplomatic relations with the United States; more detailed study of present Spanish-American institutions, conditions, and opportunities. Intended especially for those looking forward to consular, diplomatic, or commercial service in Spanish-American states. Open to advanced students only. Two hours attendance. Two hours credit. Second semester. ASSOCIATE PROFESSOR PERSINGER]

Not given in 1909-1910. Given in 1910-1911.

- [19. **Political History of the Tariff**—Colonial tariffs; retaliation and reciprocity; rise of economic protection; tariff laws, arguments for and against; sectional and political character. Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR CALDWELL]

Not given in 1909-1910.

- [20. **American Financial History**—The public debt and its management; public revenue, origin and history; governmental expenditures; banking and money. Treated from political rather than

economic point of view. Two hours attendance. Two hours credit. Second semester. HEAD PROFESSOR CALDWELL]

Not given in 1909-1910.

PRIMARILY FOR GRADUATES

23. **Seminary in American National History**—For 1909-1910 the topic for investigation will be the formation, workings, interpretation, and results of the Missouri compromise from 1818 to 1861. For graduate students, except on permission of the instructor. Two hours attendance. Credit varies. First semester.

PROFESSORS CALDWELL AND PERSINGER

24. **Seminary in American National History**—23 continued. Second semester.

27. **Bibliography of American History, 1000-1783**—A required course for all graduate students majoring in the department; recommended to all other graduate students in the field of American history. One hour attendance. One hour credit. First semester.

ASSOCIATE PROFESSOR PERSINGER

28. **Bibliography of American History, 1783-1909**—Same as 27.

HEAD PROFESSOR CALDWELL

ENGLISH-AMERICAN HISTORY

PRIMARILY FOR UNDERGRADUATES

29. **English History (until 1603) leading up to American Colonization**—Anglo-Saxon institutions; English feudalism; church and state; formation of the English nation; development of Parliament; rise of cities and the agrarian revolution; the new monarchy; Renaissance, discoveries, and abolition of papal jurisdiction; the Reformation. Character of English society at moment of American settlement. Three hours attendance. Three hours credit. First semester.

ASSOCIATE PROFESSOR JONES

30. **Modern English History (after 1603) as related to American History**—Puritan revolution; revolution of 1688 and rise of the cabinet; struggle for colonial supremacy; the House of Hanover and the American revolution; influence of the French Revolution; Irish problem, reforms, democracy and empire; successive emigrations to America. Three hours attendance. Three hours credit. Second semester.

ASSOCIATE PROFESSOR JONES

31. **Recent Political and Economic History**—History and present status of European alliances; the Balkan and Far Eastern questions; Morocco; recent political events in Great Britain, France, Germany, Italy and Russia, and the relations of these countries to the United States. One hour attendance. One hour credit. First semester. ASSOCIATE PROFESSOR JONES.
32. **Recent Political and Economic History**—American commercial and colonial expansion: The South American States and our relations with them; the Panama Canal; Cuba, Porto Rico, the Philippines; Canada; Mexico; Immigration into the United States. One hour attendance. One hour credit. Second semester. ASSOCIATE PROFESSOR JONES

FOR UNDERGRADUATES AND GRADUATES

33. **The Renaissance as Preparatory to American Discovery**—Effects of classical revival in literature and art; political transformation of Europe; science and invention; expansion of commerce; discovery and explorations. Two hours attendance. Two hours credit. First semester. ASSOCIATE PROFESSOR JONES
34. **Puritanism in England and America**—Protestant Reformation; Puritan Revolution; rise of sects in America. Two hours attendance. Two hours credit. Second semester. ASSOCIATE PROFESSOR JONES
35. **Seminary: English Opinion on American Revolution**—Chief political writers; attitude of Parliament, of commercial and agricultural interests, and of social classes. Two hours attendance. Two hours credit. First semester. ASSOCIATE PROFESSOR JONES
36. **Seminary: English Opinion on Slavery and the Civil War**—Attitude of statesmen and political writers; position of Parliament, of commercial and agricultural interests, and of social classes. Two hours attendance. Two hours credit. Second semester. ASSOCIATE PROFESSOR JONES

EUROPEAN HISTORY

HEAD PROFESSOR FLING, ADJUNCT PROFESSOR PFEIFFER, MISS NEEDHAM

GENERAL INFORMATION

The undergraduate courses in European history are intended for the following classes of students:

1. Those who are preparing to teach history in the high school or in the college. Courses 1 and 2 should be taken the first year; courses 5 and 6 with 3 and 4, or 17 and 18, or 19 and 20 the second year; 47 and 48, or 17 and 18, or 19 and 20, the third year. This is the minimum requirement in European History for the University Teachers' Certificate. Students are strongly urged to elect in addition in the senior year, a seminary and the Teachers' Course (45 and 46, or 47 and 48). The languages needed in the advanced work, especially French, should be taken up in the first and second years. Students are advised to consult with the head of the department (during registration week) concerning their work.

2. Those who are specializing in language and literature. Courses 3 and 4 are intended for students of English literature, 7 and 8 for students of German literature, and may be taken by those who have not had courses 1 and 2.

3. Those who are preparing for law or debate will find especially valuable the training in the use of evidence given in courses 1 and 2. The same courses are helpful to students of economics and sociology.

GRADUATE WORK

The department offers excellent opportunities for graduate study on the French revolution and the Napoleonic era. The collection of sources and secondary works upon the early revolution is the best in the west and one of the best in the country. On the Napoleonic era the department has recently acquired the valuable Oncken collection of manuscripts, containing the correspondence of the most distinguished English diplomats during the years 1812-1815 inclusive. Each year special courses and seminars are offered on these two periods. In the seminars, the student is introduced in a critical way to the best sources and investigations are begun that may lay the foundation for research work abroad. To take advantage of these courses, the student should have had general courses on the French revolution and the Napoleonic era, some undergraduate training in the use of sources, and should have acquired a reading knowledge of French. With such a preparation, it is possible to take the master's degree in one year. When the student is not properly prepared, the training may be secured in the undergraduate courses offered by the department. This preparatory work may be done in one year, if the student has already acquired in undergraduate courses a fair working knowledge of European history.

MASTER OF ARTS

SECOND MINOR: At least eight hours of graduate work consisting of the course on method and one other course. At least two years of undergraduate work required before graduate work can be entered upon.

FIRST MINOR: Same as 1, 2, 3, and 4 for major.

MAJOR: (1) an acquaintance with the history of Europe from the beginning of Greek history to the last quarter of the nineteenth century; (2) a knowledge of the literature of European history, consisting of the best known sources in English, French and German, and the most important works of secondary writers; (3) an acquaintance with bibliographical aids and historical atlases; (4) a knowledge of historical methods as found in the *Lehrbuch* of Bernheim and the *Introduction* of Langlois and Seignobos; (5) a thesis based on the sources.

COURSES**PRIMARILY FOR UNDERGRADUATES**

1. **European History from the Germanic Migrations to 1871**—Required for the University Teachers' Certificate in History. Three hours attendance. Three hours credit. First semester.

HEAD PROFESSOR FLING, ADJUNCT PROFESSOR PFEIFFER,
MISS NEEDHAM

2. **European History**—1 continued. Second semester.

3. **English History to 1558**—Required for the University Teachers' Certificate in History. Two or three hours attendance. Two or three hours credit. First semester.

ADJUNCT PROFESSOR PFEIFFER

4. **English History after 1558**—3 continued. Second semester.

5. **Mediaeval History to 888**—Prerequisite: Courses 1 and 2. Required for the University Teachers' Certificate. Three hours attendance. Three hours credit. First semester.

ADJUNCT PROFESSOR PFEIFFER

6. **Mediaeval History after 888**—Required for the University Teachers' Certificate. Three hours attendance. Three hours credit. Second semester.

ADJUNCT PROFESSOR PFEIFFER

7. **German History to 1618**—For students who are preparing to teach German and have had two years of German. Three hours attendance. Three hours credit. First semester.
MISS NEEDHAM
8. **German History after 1618**—7 continued. Second semester.
45. **Teachers' Course in Greek History**—Must be preceded by 1 and 2. Two hours attendance. Two hours credit. First semester.
HEAD PROFESSOR FLING
46. **Teachers' Course in Greek History**—45 continued. Second semester.

FOR UNDERGRADUATES AND GRADUATES

- [17. **The French Revolution**—Open to students who have had one year's work in the department. Two hours attendance. Two hours credit. First semester. HEAD PROFESSOR FLING]
Given in 1910-1911.
- [18. **The Napoleonic Era**—The requirements are the same as for course 17. Two hours attendance. Two hours credit. Second semester. HEAD PROFESSOR FLING]
Given in 1910-1911.
19. **Europe in the Nineteenth Century**—The requirements are the same as for course 17. Two hours attendance. Two hours credit. First semester. HEAD PROFESSOR FLING
20. **Europe in the Nineteenth Century**—19 continued. Second semester.
23. **Seminary on the French Revolution**—One hour attendance. One hour credit. First semester. HEAD PROFESSOR FLING
34. **Seminary on the French Revolution**—23 continued. Second semester.

PRIMARILY FOR GRADUATES

25. **Historical Method**—Detailed lectures on the problems of historical research and construction, accompanied by readings in the best English, French, and German monographs and by practical exercises. One hour attendance. One hour credit. First semester.
HEAD PROFESSOR FLING
26. **Historical Method**—25 continued. Second semester.

49. **Seminary on the Napoleonic Period**—One hour attendance. One hour credit. First semester. HEAD PROFESSOR FLING
50. **Seminary on the Napoleonic Period**—49 continued. Second semester.
51. **Period of Attempted Reforms and of the Overthrow of Arbitrary Government in France (1774-1789)**—One hour attendance. One hour credit. First semester. HEAD PROFESSOR FLING
52. **Period of Attempted Reforms**—51 continued. One hour credit. First semester. HEAD PROFESSOR FLING

JURISPRUDENCE AND PUBLIC LAW

PROFESSOR HASTINGS, PROFESSOR MAXEY, MR. SHELDON

GRADUATE WORK

MASTER OF ARTS

Complete courses, or major or minor courses, are arranged upon application.

MASTER OF LAWS

A candidate for the degree of Master of Laws must have received the degree of Bachelor of Laws from this University or from some approved law school, must complete an additional year's work of at least 16 hours a week in the College of Law or the Graduate School or both, and must present a suitable thesis embodying the result of original investigation and research. Before such student shall be entitled to the degree he must complete all the courses, elective as well as required, offered in the College of Law for the degree of Bachelor of Laws.

COURSES

JURISPRUDENCE

1. **History and System of the Common Law**—General survey of the legal system of English-speaking countries; courts, their organization and jurisdiction. Credited in the College of Law. Two hours attendance. Two hours credit. First semester. PROFESSOR HASTINGS
2. **Roman Law**—History and Institutes. Credited in the College of Law. Two hours attendance. Two hours credit. First semester. PROFESSOR MAXEY
- Given in 1909-1910 and alternate years.

3. **Analytical and Historical Jurisprudence**—Introduction to legal theory. Credited in the College of Law. Three hours attendance. Three hours credit. Second semester. PROFESSOR MAXEY

PUBLIC LAW AND DIPLOMACY

1. **American Constitutional Law**—Cases on constitutional law. Credited in the College of Law. Three hours attendance. Three hours credit. First semester. PROFESSOR HASTINGS
2. **American Constitutional Law**—1 continued. Cases on constitutional law. Prerequisite: Course 1. Credited in the College of Law. Three hours attendance. Three hours credit. Second semester. PROFESSOR HASTINGS
3. **American Administrative Law I**—Law of public officers; extraordinary legal remedies. Credited in the College of Law. Two hours attendance. Two hours credit. First semester. PROFESSOR MAXEY
4. **American Administrative Law II**—3 continued. Taxation. Credited in the College of Law. Two hours attendance. Two hours credit. Second semester. PROFESSOR MAXEY
5. **Legislation**—Practical problems in contemporary legislation and law reforms. Actual preparation, drafting and criticism of legislative bills in cooperation with the Legislative Reference Bureau. Open to advanced students. The course will commence about the middle of November and run until the adjournment of the State Legislature. Attendance equivalent to two hours a week for one semester. Credited in the College of Law. Two hours credit. PROFESSOR HASTINGS, MR. SHELDON
Given in 1910-1911 and alternate years.
6. **International Law I**—Credited in the College of Law. Three hours attendance. Three hours credit. First semester. PROFESSOR MAXEY
7. **International Law II**—Advanced course. Specific problems of international law. Two hours attendance. Credited in the College of Law to students who do not count International Law I. Two hours credit. Second semester. PROFESSOR MAXEY
8. **European Diplomacy**—Two hours attendance. Two hours credit. First semester. PROFESSOR MAXEY
Given in 1909-1910 and alternate years.

9. **Comparative Constitutional and Administrative Law**—Comparative study of public law of the United States, England, Canada, and Australia. Two hours attendance. Two hours credit. First semester. PROFESSOR MAXEY
Given in 1910-1911 and alternate years.
10. **American Diplomacy**—Organization. Main diplomatic controversies. Two hours attendance. Two hours credit. First semester. PROFESSOR MAXEY
11. **Seminary on Consular Service**—Admission upon consent of the instructor. Two hours attendance. Two hours credit. Second semester. PROFESSOR MAXEY
Given in 1910-1911 and alternate years.

LATIN

[SEE ROMAN HISTORY AND LITERATURE]

MATHEMATICS

HEAD PROFESSOR DAVIS, PROFESSOR CANDY, PROFESSOR ENGBERG, ASSOCIATE PROFESSOR PRENKE, MR. JOHNSON, MISS RUNGE, MR. HANN,
MISS ERNSBERGER, MISS MCLEAN

GRADUATE WORK

The candidate for an advanced degree, whether mathematics be a major or a minor, must have completed mathematics 1, 2, 3, 4, 5, 6.

MASTER OF ARTS

SECOND MINOR: Differential equations, advanced analytic geometry, Courses 7, 8, 9, and 10.

FIRST MINOR: In addition to the above, Courses 11, 12, and 25.

MAJOR: The additional requirements are: (1) selections, approved by the head of the department, from such courses in advanced mathematics, mathematical physics, astronomy, or engineering as are offered during the student's residence; (2) a thesis.

DOCTOR OF PHILOSOPHY

The candidate must have not only an extended general knowledge of mathematics on the basis of the requirements for the degree of Master of Arts, but must also devote special attention to some line of

modern research, consulting both standard treatises and the various mathematical journals. The results of this work are presented and discussed from time to time in the mathematical seminary and finally embodied in a thesis.

LIBRARY FACILITIES

The mathematical library contains several complete sets of periodicals, and has on file most of the leading current periodicals. The department has a carefully selected library to which additions are made constantly.

COURSES

PRIMARILY FOR UNDERGRADUATES

1. **Algebra and Plane Trigonometry**—Prerequisite: Six points high school credit. Five hours attendance. Five hours credit. First and second semesters.

PROFESSOR CANDY, PROFESSOR ENGBERG,
ASSOCIATE PROFESSOR BRENKE,
MR. JOHNSON, MISS RUNGE, MR. HANN,
MISS ERNSBERGER, MISS MCLEAN

2. **Analytical Geometry and Calculus**—Five hours attendance. Five hours credit. First and second semesters.

PROFESSOR CANDY,
ASSOCIATE PROFESSOR BRENKE, MR. JOHNSON,
MISS RUNGE, MISS ERNSBERGER, MR. HANN,
MISS MCLEAN

3. **Analytical Geometry and Calculus**—Five hours attendance. Five hours credit. First and second semesters.

HEAD PROFESSOR DAVIS,
PROFESSOR CANDY, PROFESSOR ENGBERG,
ASSOCIATE PROFESSOR BRENKE

4. **Calculus**—3 continued. Five hours attendance. Five hours credit. First and second semesters.

HEAD PROFESSOR DAVIS, PROFESSOR CANDY,
PROFESSOR ENGBERG,
ASSOCIATE PROFESSOR BRENKE

5. **Differential Equations and Solid Geometry**—Three hours attendance. Three hours credit. First semester. PROFESSOR ENGBERG

13. **College Algebra**—Primarily for those intending to teach mathematics. Two hours attendance. Two hours credit. Second semester. PROFESSOR ENGBERG
25. **Mathematical Pedagogy**—Three hours attendance. Three hours credit. Second semester. PROFESSOR CANDY
31. **Statistics**—Statistical problems. Interpretation of statistics. Prerequisite: Courses 1 and 2. Three hours attendance. Three hours credit. First semester. PROFESSOR ENGBERG
32. **Insurance**—Mathematical principles of insurance, especially of life insurance. Prerequisite: Courses 1 and 2. Three hours attendance. Three hours credit. Second semester. PROFESSOR ENGBERG

FOR UNDERGRADUATES AND GRADUATES

6. **Theory of Probability**—Three hours attendance. Three hours credit. Second semester. PROFESSOR ENGBERG
7. **Advanced Differential Equations**—Prerequisite: Course 5. Two hours attendance. Two hours credit. First semester. PROFESSOR CANDY
8. **Advanced Differential Equations**—7 continued. Second semester.
9. **Advanced Geometry**—Prerequisite: Course 5. Three hours attendance. Three hours credit. First semester. PROFESSOR CANDY
10. **Advanced Geometry**—9 continued. Second semester.
11. **Geometry of Position**—Prerequisite: Courses 1 and 2. Three hours attendance. Three hours credit. First semester. HEAD PROFESSOR DAVIS
12. **Geometry of Position**—11 continued. Second semester.
15. **Advanced Algebra**—Three hours attendance. Three hours credit. First semester. PROFESSOR ENGBERG
16. **Advanced Algebra**—15 continued. Second semester.
- Seminary**—The instructors and advanced students meet the first and third Saturday of each month, 7:30-10:00 P. M., for the discussion of current literature, presentation of results of investigations, and the solutions of assigned problems. Open to all students who have had one year of mathematics, and are recommended by their instructors.

PRIMARILY FOR GRADUATES

17. **Modern Geometry**—Two hours attendance. Two hours credit.
First semester. PROFESSOR ENGBERG
18. **Modern Geometry**—17 continued. Second semester.
19. **Theory of Functions**—Two hours attendance. Two hours credit.
First semester. ASSOCIATE PROFESSOR BRENKE
20. **Theory of Functions**—19 continued. Second semester.
21. **Imaginarics in Geometry**—Two hours attendance. Two hours credit. First semester. HEAD PROFESSOR DAVIS
22. **Imaginarics in Geometry**—21 continued. Second semester.
23. **Mathematical Logic**—Two hours attendance. Two hours credit.
First semester. HEAD PROFESSOR DAVIS
24. **Mathematical Logic**—23 continued. Second semester.
33. **Harmonic Analysis**—Applied to the Partial Differential Equations of Mathematical Physics. Source of these equations. Methods of solution. Theory of Fourier's series. Other series of normal functions. Solutions in series of cylindrical, zonal, spherical and ellipsoidal harmonics. Three hours attendance. Three hours credit. First semester. ASSOCIATE PROFESSOR BRENKE
34. **Harmonic Analysis**—33 continued. Second semester.

MATHEMATICAL ASTRONOMY

[SEE ASTRONOMY]

BIOMETRY

The mathematical theory of evolution. A mathematical analysis of botanical and biological problems. An extended knowledge of mathematics is not necessary, although of great aid. The work is intended primarily for advanced students in the natural sciences who can apply this work to their researches, but it is open to other students.

27. **A Review of Preliminary Mathematics**—Followed by study of various frequency curves and applications to individual problems. Two hours attendance. Two hours credit. First semester.

PROFESSOR ENGBERG

28. **A Review of Preliminary Mathematics**—27 continued. Studies in error correlations of frequency constants, variation, organic correlation, regression, heredity, spurious correlation and fixture of type. Two hours attendance. Two hours credit. Second semester. PROFESSOR ENGBERG
29. **Studies in Organic and Fraternal Correlation and Problems in Heredity**—One hour attendance. One to three hours credit. First semester. PROFESSOR ENGBERG
30. **Studies in Organic and Fraternal Correlation and Problems in Heredity**—29 continued. Second semester.

MILITARY SCIENCE AND TACTICS

CAPTAIN YATES, U. S. A., COMMANDANT

By the rules of the Board of Regents, all male students in the College of Arts and Sciences, the College of Agriculture, the College of Engineering, the Teachers College and the long term students in the School of Agriculture are required forthwith after matriculation to take military work. The requirements cover four semesters.

The annual cadet encampment is held at such time as the Chancellor and Commandant may direct. During the encampment instruction is given in Minor Tactics.

COURSES

The following courses are required of all cadets except members of the band:

- A1. **Infantry Drill**—First Battalion. Practical: Infantry drill and litter drill. Three hours attendance. Theoretical: Infantry drill regulations. One hour attendance. One hour credit. First semester.
- Second Battalion—Practical: Infantry drill. Three hours attendance. Theoretical: Infantry drill regulations. One-half hour attendance. First semester. CAPTAIN YATES
- A2. **Infantry Drill**—First Battalion. Practical: Same as A1. Guard duty. Three hours attendance. Theoretical: Guard manual. One hour attendance. One hour credit. Second semester.
- Second Battalion—Practical: Infantry drill and guard duty.

Three hours attendance. Theoretical: Infantry drill regulations.
One-half hour attendance. Second semester.

CAPTAIN YATES

AA1. Infantry and Hospital Corps Drill—First Battalion. Practical: Infantry drill, guard duty, litter drill and first aid drill. Three hours attendance. Theoretical: Small Arms Firing regulations. One hour attendance. One hour credit.

Second Battalion—Practical: Infantry drill, ceremonies. Guard duty. Three hours attendance. Theoretical: Guard manual. One-half hour attendance. One hour credit.

CAPTAIN YATES

AA2. Infantry and Hospital Corps Drill—First Battalion. Practical: Same as AA1. Theoretical: Field service regulations. One hour attendance. One hour credit.

Second Battalion—Practical: Same as AA1. Theoretical: Small Arms Firing regulations. One-half hour attendance. One hour credit.

CAPTAIN YATES

AAA1. Infantry Drill—Second Battalion. Practical: Same as AA2. Theoretical: Infantry drill regulations. One-half hour attendance. One hour credit.

CAPTAIN YATES

AAA2. Infantry Drill—Second Battalion. Practical: Same as AAA1. Theoretical: Small Arms Firing regulations. One-half hour attendance. One hour credit.

CAPTAIN YATES

CADET BAND

The Cadet Band is open to all male students. Cadets not in the band who desire to transfer to it may apply to the Commandant.

The band is organized as a part of the first battalion and is under military discipline at all times. One hour credit is given for each third and fourth year membership.

COURSES

A1—First semester. Music. Two hours attendance. MR. HAGENOW
Practical: Infantry and band drill. Two hours attendance. One hour credit.

CAPTAIN YATES

A2—A1 continued. Second semester.

AA1—A2 continued. First semester.

AA2—AA1 continued. Second semester.

The following courses are elective and may be taken by cadets who have completed the required courses:

S1. Instruction of Cadets—Drill master work. Army papers. Open only to selected cadets who have shown exceptional ability in military work. Four hours attendance. Two hours credit. First semester.
CAPTAIN YATES

S2.—S1 continued. Second semester.

MUSIC

MRS. RAYMOND

3. Chorus Conducting—Singing and interpretation, including correct phrasing, diction, breathing, and the principles of voice production. The chorus will give a series of Vesper Services assisted by a string quartet. "*The Messiah*" and other works will be given with orchestral accompaniment. Three hours attendance. One hour credit. First semester.
MRS. RAYMOND

4. Chorus Conducting—3 continued. Second semester.

PHARMACODYNAMICS

PROFESSOR LYMAN

GENERAL STATEMENT.—Courses 3 and 4 are open to all students who have taken elementary work in biology. No prerequisites are necessary for courses 5 and 6.

3. Pharmacodynamics—A course designed for students of biology who wish a knowledge of the physiological action of those drugs especially of interest in biological investigation. A general consideration of the mode of action of drugs, conditions which modify their action, the relation of chemical composition to pharmacological action, and the nature of tolerance, will be followed by an experimental study of anesthetics, narcotics, protoplasmic poisons, and the more important bodies which may be used to influence the activities of living matter. Finally will be consid-

ered the relation of pharmacology to the other biological and medical sciences, the use that may be made of drugs, in investigating biological problems, and the importance of pharmacology in matters of public concern. One hour attendance. Two hours laboratory. One hour credit. First semester.

PROFESSOR LYMAN

4. **Pharmacodynamics**—3 continued. Second semester.

5. **Pharmacodynamics**—A course designed for teachers, consisting of a thorough study of the physiological action of narcotics, the pathological conditions produced and their importance as a causative factor in the production and spread of disease, the secret avenues through which the narcotic habits are acquired, the causes which lead to the formation of abnormal appetites, the manner in which vital processes may be changed by the use of agents not normal constituents of the body, medical facts and theories, and their general application, and finally, a study of the patent medicine and related questions, and methods of graft and quackery which are necessary for the public welfare. Two hours attendance. Two hours laboratory. Two hours credit. First semester.

PROFESSOR LYMAN

6. **Pharmacology**—5 continued. Second semester.

PHILOSOPHY

HEAD PROFESSOR WOLFE, PROFESSOR ALEXANDER, PROFESSOR FRENCH,
PROFESSOR HINMAN,* MISS NIMS

The primary aim of work in Philosophy is to serve as an organizing discipline in a general education, and to correct the narrowness often incident to specialization. It is an efficient means for the development of breadth, balance, culture, and maturity. It lies nearer today than ever before, probably, to the various sciences, social, historical, biological, and physical, on the one hand, and to the requirements of practical life on the other. Students seeking to make this use of Philosophy may begin with either course 1, course 3, or course 4 as early as the first semester of the sophomore year, and should carry a course, each semester thereafter, the complete program including both Psychol-

* Professor Hinman has been Chairman of the Department during the academic year 1908-1909.

ogy and general Philosophy. Certain other courses may also be entered by beginners, with the special consent of the instructor. After the first introductory semester, courses from all sub-groups within the Department are equally open to the student.

Another very important aim of the Department is to aid in the professional training of teachers. Those who wish to secure the University Teachers' Certificate must take at least three hours in Elementary Psychology.

GRADUATE WORK

The department as now organized has full professors representing each main division of the subject. It is well supplied with library and laboratory facilities, and is enabled to offer ample facilities for graduate work.

Major or minor courses for advanced degrees are arranged for in Psychology, in Ethics, in Logic and Metaphysics, and in History of Philosophy. No special statement of the number of hours required either for the degree of Master of Arts or that of Doctor of Philosophy need be made. Courses are outlined for each individual case in conformity with the general regulations laid down by the Graduate Faculty. Owing to the nature of philosophy as a fundamental discipline in touch with all sciences, graduate students pursuing majors in other specialties will often find a minor in Philosophy of large value.

COURSES

PRIMARILY FOR UNDERGRADUATES

1. **Elementary Psychology**—A general introductory course, including the elements of descriptive, physiological, and experimental psychology. Designed for students who desire more than one semester in psychology. A good foundation is laid in two semesters for further studies in psychology, philosophy, or education. Botany 1 or Zoology 1 should precede or accompany this course. Not open to first year students. Three or two hours attendance. Two hours laboratory. Three or two hours credit. First semester.

HEAD PROFESSOR WOLFE

2. **Elementary Psychology**—1 continued. Second semester.
3. **Elementary Psychology**—A briefer course in general psychology for students wishing the minimum requirements in this field.

Not open to first year students. Three hours attendance. Three hours credit. First and second semesters. PROFESSOR FRENCH

4. **Logic, Deductive and Inductive**—Practice in logical analysis, the use of syllogism and inductive methods, and the detection of fallacies. Three hours attendance. Three hours credit. First and second semesters. PROFESSOR HINMAN

I. PSYCHOLOGY

11. **Experimental Psychology**—Chiefly laboratory work. The student learns to manipulate all standard apparatus, and becomes somewhat familiar with present laboratory problems. Methods of investigation and of dealing with data are considered. In the second semester about half of the time is devoted to intensive investigation of some problem begun early in the year. Two hours credit. First semester. HEAD PROFESSOR WOLFE
12. **Experimental Psychology**—11 continued. Second semester.
13. **Genetic Psychology**—A comparative study of the animal mind. Readings and discussions on the methods of investigation, materials accumulated, and conclusions reached. Beginning with the lowest animals, evidences of intelligence are sought in several representative groups. Effort is made to realize the resemblances and differences between the mind of the higher animals and that of man. Two hours attendance. Two hours credit. First semester. HEAD PROFESSOR WOLFE
14. **Genetic Psychology**—A study of the child mind in development. Essentially a course in the evolution of the individual. The class surveys the material of "child study" on infancy, childhood, and adolescence, reviews normal psychology, and studies old age. A few weeks are given to certain typical forms of abnormal mind, arrested development and genius. Two hours attendance. Two hours credit. Second semester. HEAD PROFESSOR WOLFE
15. **Social and Ethical Psychology**—Influence of social environment on mental and moral development. Among the topics of study may be mentioned: awakening of self-consciousness, suggestion, imitation, invention, rivalry, sympathy, play, mob mind, personal ideals, conscience. With special reference to the works of Bald-

win, Le Bon, Tarde, Sidis, Ross, Cooley. Three hours attendance. Three hours credit. First semester.

PROFESSOR FRENCH

16. **Educational Psychology**—A practical study of the factors which influence the development of body and mind. Will not be considered as part of the required work in Philosophy. Two hours attendance. Two hours credit. Second semester.

HEAD PROFESSOR WOLFE

17. **Advanced Psychology**—Special studies in general psychology to meet the needs of advanced students in ethics and philosophy of religion. Two hours attendance. Two hours credit. First semester.

PROFESSOR FRENCH

18. **Advanced Psychology**—17 continued. Second semester.

II. ETHICS

20. **Ethical Theory**—A study of man's moral nature and the grounds of moral obligation based upon a critical examination of the chief historical systems of moral philosophy. Three hours attendance. Three hours credit. Second semester.

PROFESSOR FRENCH

21. **Practical Ethics**—Lecture course on moral problems of individual and social life. One hour attendance. One hour credit. First semester.

PROFESSOR FRENCH

23. **Evolutionary Ethics**—A study of the evolution of man's moral nature and conduct with special reference to the works of Darwin, Spencer, Sutherland, Westermarck, Hobhouse. Two hours attendance. Two hours credit. First semester.

PROFESSOR FRENCH

24. **Evolutionary Ethics**—Relation of the evolutionary theory of the origin of morality to the philosophical interpretation of the moral life. Idealistic and evolutionary systems of ethics compared. Two hours attendance. Two hours credit. Second semester.

PROFESSOR FRENCH

III. METAPHYSICS AND PHILOSOPHY OF SCIENCE

30. **Introduction to Philosophy**—Develops the philosophical conception of Reality as Mind, and applies it in some detail to the interpretation of the system of the sciences. Deals with such ruling ideas as those of matter, force, life, heredity, evolution, purpose, mind, reason, God. Designed to meet the needs of the scientific and general student, and to serve also as a preparation for further work in philosophy. Lectures. Three hours attendance. Three hours credit. First and second semesters.

PROFESSOR HINMAN

- 30a. **Philosophical Themes**—Students who have taken or are taking course 30 may mature themselves in this subject and secure additional credit by preparing papers in connection with assigned topics, and carrying out the library work which these involve. No further class attendance. One to three hours credit.

PROFESSOR HINMAN

31. **Problems of Philosophy and Science**—Historical survey of the development of geographical and astronomical conceptions from the earliest times to Kepler and Newton. Two hours attendance. Two hours credit. First semester.

PROFESSOR ALEXANDER

32. **Problems of Philosophy and Science**—31 continued. The nebular hypothesis and the theory of evolution; analysis of the conception of a mechanical cosmos; the ideal of scientific method and achievement. Two hours attendance. Two hours credit. Second semester.

PROFESSOR ALEXANDER

33. **Advanced Metaphysics**—A systematic study of contemporary metaphysical thought, based upon such works as Taylor's *Elements of Metaphysics*, Ormond's *Concepts of Philosophy*, and Laurie's *Synthetica*. May be carried profitably by the student who has completed course 30. Three hours attendance. Three hours credit. First semester.

PROFESSOR HINMAN

34. **Advanced Metaphysics**—33 continued. Second semester.

37. **Logic of Science**—Deals with the nature of conception, judgment, and inference, with reference both to general philosophical results and to the methodology of science. Bosanquet's larger *Logic* is the basis of the course. Two hours attendance. Two hours credit. First semester.

PROFESSOR HINMAN

38. **Logic of Science**—37 continued. Second semester.

IV. AESTHETICS

41. **Philosophy of Criticism**—Origin and development of the different types of artistic expression; the formation and significance of art traditions; analysis of such conceptions as naturalism, symbolism, realism, idealism, classicism, romanticism, etc. Two hours attendance. Two hours credit. First semester.

PROFESSOR ALEXANDER

42. **Philosophy of Criticism**—41 continued. History of aesthetic criticism. Aristotle's *Poetics*, Longinus *On the Sublime*, and other treatises, are read in English. (Course 41 not necessarily prerequisite.) Two hours attendance. Two hours credit. Second semester.

PROFESSOR ALEXANDER

43. **The Imagination**—A psychological study of the artistic impulse and of the types of aesthetic expression. One hour attendance. One hour credit. First semester.

PROFESSOR ALEXANDER

V. HISTORY OF PHILOSOPHY

50. **Humanism**—Historical phases of the conception of culture: The Graeco-Roman ideal of enlightened living; humanism of the Italian Renaissance; the 18th century "Enlightenment" and political humanitarianism; the metaphysical humanisms of today. Two hours attendance. Two hours credit. Second semester.

PROFESSOR ALEXANDER

51. **History of Philosophy**—Principal philosophical systems from Thales to Spencer in their development and relations to political and social conditions of their time. Three hours attendance. Three hours credit. First semester.

PROFESSOR FRENCH

52. **History of Philosophy**—51 continued. Second semester.

- 52a. **History of Philosophy Reading**—Students who have already carried with high grade courses 51 and 52 are guided in their reading through carefully selected courses, and upon properly accounting for the reading by notes, themes, and examinations, they are given credit for work actually performed, not to exceed six hours. No further class attendance.

PROFESSOR FRENCH

- [53. **Greek Philosophy**—The Pre-Socratic Period: The Mediterranean races; origins of civilization; rise of European thought, relig-

ious, mythical, scientific, and speculative, with especial reference to the social and physical conditions of ancient life. Two hours attendance. Two hours credit. First semester.

PROFESSOR ALEXANDER]

Not given in 1909-1910. Given in 1910-1911.

- [54. **Greek Philosophy**—Socrates, Plato, and Aristotle. Two hours attendance. Two hours credit. Second semester.

PROFESSOR ALEXANDER]

Not given in 1909-1910. Given in 1910-1911.

- 53a. **Greek Philosophy**—The Post-Aristotelian Period: The ethical schools; progress of science; later development of Greek religion; influence of Oriental upon later Greek thought. Two hours attendance. Two hours credit. First semester.

PROFESSOR ALEXANDER

Given in 1909-1910. Not given in 1910-1911.

- 54a. **Greek Philosophy**—Influence of Greek Thought: Especial attention to Lucretius, Cicero, and St. Augustine. Two hours attendance. Two hours credit. Second semester.

PROFESSOR ALEXANDER

55. **Patristic and Scholastic Philosophy**—The thought of the Church Fathers and the Schoolmen of the Middle Ages was determined in the main by two factors: Greek philosophy and the Christian Faith. This phase of thought-development has led to large influence both on the theology and on the philosophy of modern times. Two hours attendance. Two hours credit. First semester.

PROFESSOR FRENCH

56. **Patristic and Scholastic Philosophy**—55 continued. Second semester.

PROFESSOR FRENCH

57. **German Idealism**—Kant and Hegel. First semester devoted to the Critical philosophy. Brief study of background of Criticism in English Empiricism; careful study of teachings of Kant's three *Critiques*. Two hours attendance. Two hours credit. First semester.

PROFESSOR HINMAN

58. **German Idealism**—57 continued. Development of Kantian doctrine in its idealistic phases by his successors briefly traced; culmination of post-Kantian Idealism studied at length in Hegel's *Smaller Logic*. Second semester.

PROFESSOR HINMAN

- 57a. **English Empiricism in the Nineteenth Century**—Mill and Spencer. After a brief study of Hume, the development of Empiricism will be traced in the Associational school, and its culminating phases in the philosophical views of John Stuart Mill will be analyzed in detail. Two hours attendance. Two hours credit. First semester. PROFESSOR HINMAN.
- 58a. **English Empiricism in the Nineteenth Century**—57a continued. Spencer's Synthetic Philosophy. Second semester.

VI. HISTORY AND PHILOSOPHY OF RELIGION

60. **Philosophy of Religion**—Nature and meaning of religion and grounds of religious belief in view of the rational interpretation of the universe made by modern science and philosophy. Origin and evolution of religion, the psychology of religion, arguments for the existence of God, modern conceptions of God and Immortality. One or three hours attendance. One or three hours credit. Second semester. PROFESSOR FRENCH
61. **History of Religion**—After an examination of the origin of religion and its form among primitive peoples its history is traced at some length among the Aryans, and more briefly among Chinese, Japanese, Egyptians, Babylonians, and the Semitic races. The greater religions are analyzed in order to explain and evaluate the philosophical views which they involve. Three hours attendance. Three hours credit. First semester. PROFESSOR HINMAN
62. **History of Religion Among the Hebrews**—Essentially a library course on the development of Israel's religious ideals, as reflected in the Old and New Testaments, and interpreted in the spirit and by the methods of the higher criticism. Open only to students who have had course 30 or course 61, or other work of equal value for training to critical and constructive thinking in this field. Lectures, conferences, and readings. Three hours credit. Second semester. PROFESSOR HINMAN

PRIMARILY FOR GRADUATES

71. **Psychological Seminary**—The year will be given to the study of some problem, or group of closely allied problems, to be definitely determined by the interests of the members of the seminary.

Seniors who have had 1 and 2, and who are taking 11 or 12 may elect this course. During the year 1909-1910 the Psychology of Movement, or the Psychology of Attention may be considered. Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR WOLFE

72. **Psychological Seminary**—71 continued. Second semester.

73. **Ethical Seminary**—Study of special problems in ethics. Two hours attendance. Two hours credit. First semester.

PROFESSOR FRENCH

74. **Ethical Seminary**—73 continued. Second semester.

75. **Seminary in Logic and Metaphysics**—Philosophical basis of contemporary physics, with special reference to the significance of mechanics, and its bearing upon the other departments of science. The critical discussions of such men as Rankine, Mach, Pearson, and Poincaré will be closely examined. The studies of the course are based upon Rey's *La theorie de la physique chez les physiciens contemporains*. Three hours attendance. Three hours credit. First semester.

PROFESSOR HINMAN

76. **Seminary in Logic and Metaphysics**—75 continued. Second semester.

77. **Seminary**—Topic for 1909-1910: Pragmatism and the problem of truth. Bi-weekly two-hour session. One hour credit. First semester.

PROFESSOR ALEXANDER

78. **Seminary**—77 continued. Second semester.

79. **Seminary in Philosophy of Religion**—Two hours attendance. Two hours credit. First semester.

PROFESSOR FRENCH

80. **Seminary in Philosophy of Religion**—79 continued. Second semester.

PHYSICAL EDUCATION

PROFESSOR CLAPP, MISS ———, MISS ———, MISS ———, MR. HOOPER

The courses in physical education (practice) are open, as electives, to men. No students may take work in the department without regular registration.

Members of all classes in physical education and of all University athletic teams are required to take a physical examination at the beginning of the college year or at the beginning of the semester in which that training begins.

Unless excused, all women are required to take physical training four days per week for the first two years.

The general health of all women in this department is carefully looked after by the director of the women's gymnasium. Special medical gymnastics is given to those whose health does not permit them to take the general class work.

Men are required to wear gray Turner trousers, navy blue sleeveless jerseys and heelless shoes. Women are required to wear uniform gymnasium suits, which should under no conditions be ordered before consulting the instructor.

The requirements for the teachers' certificate in physical education for men covers courses 13, 14, 15, 16, 31 and 32 in physical education (practice), and courses 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 17, 18 and 20 in physical education (theory). For women the same courses in theory are required with the exception of course 5, and also courses 21, 22, 23, 24, 25, 26, 33 and 34 in physical education (practice).

The professional work required for this University certificate should be taken with other undergraduate studies.

1. **Hygiene**—Advantages of regular exercise. Bathing and clothing. Care of the eye. Respiration and circulation. Digestion: foods, their value, source and digestibility. Stimulants and narcotics. Water supply. Ventilation, heating, draining, plumbing, sewage. Special physiology and personal purity. Two hours attendance. Two hours credit. First semester. PROFESSOR CLAPP
- [2. **Physical Diagnosis**—Theory and practice of normal and abnormal physical signs of the thoracic organs. Two hours attendance. Two hours credit. Second semester. PROFESSOR CLAPP]
3. **Anthropometry**—History. Measurements, their statistical and diagnostic value. Practice in taking and recording measurements and in making charts. Laws of human proportion. Average, mean, and ideal types. Analysis and critical inspection of measurements and personal histories for determining fitness for gymnastic work. Two hours attendance. Two hours credit. Second semester. MISS ———

Not given in 1909-1910.

4. **Applied Anatomy**—Muscles and their relation to common gymnastic and athletic movements. Presupposes a knowledge of anatomy. Two hours attendance. Two hours credit. Second semester.
MISS ———
5. **General Athletic Training**—Theory of training for all branches of athletics. Ancient and modern methods. Diet, sleep, bathing and rubbing. One hour attendance. One hour credit. First semester.
PROFESSOR CLAPP
Not offered in 1909-1910.
6. **Emergencies**—First aid treatment in case of accidents, such as fractures, dislocation, wounds, hemorrhages, poisoning and drowning. Bandaging, nursing, and general care of the sick. Recitations and demonstration. One hour attendance. One hour credit.
MISS ———
7. **Kinesiology**—Aims, varieties and effects of gymnastic movements. Swedish and German methods. Gymnastic terminology. Hygienic, educative and recreative exercises. Two hours attendance. Two hours credit. First semester.
MISS ———
Not offered in 1909-1910.
- [8. **Physiology of Bodily Exercise**—Physiological features of training, breathlessness, fatigue and stiffness. Testing respiratory movements and circulation before and after exercise. Two hours attendance. Two hours credit.* Second semester.
PROFESSOR CLAPP]
Not offered in 1909-1910.
10. **Medical Gymnastics and Prescription of Exercise**—Corrective gymnastics as applied to abnormal conditions. Special lectures to women on pelvic anatomy. Massage. Theory and practice. Two hours attendance. Two hours credit. Second semester.
MISS ———
- [11. **History and Literature of Physical Education**—Ancient and modern literature covered by assigned readings, digests, reports, discussions, and lectures. One hour attendance. One hour credit. First semester.
MISS ———]
- [12. **Methods of Equipment of a Department**—Gymnasium and athletic field; construction, equipment, organization, rules and management. One hour attendance. One hour credit. Second semester.
PROFESSOR CLAPP]

17. **Methods in Teaching**—Two hours attendance. Two hours credit.
First semester. Men, PROFESSOR CLAPP; women, MISS ——
(Consult instructors before registering.)
18. **Methods in Teaching**—17 continued. Second semester.
20. **Track Athletics**—Consolidation of previous courses known as Physical Education 19 and 20), Theory and practice. Technique of track and field athletics. Systematic preparation for indoor and outdoor athletic events. Two hours theory and two hours practice. Two hours credit. Second semester.
PROFESSOR CLAPP
35. **Hygiene**—A thorough course in Hygiene planned for students of the Teachers College and others who expect to teach the subject or to have charge of the sanitation of public school buildings. For information in regard to course see Teachers College announcement. Two hours attendance. Two hours credit.
PROFESSOR CLAPP
36. **Hygiene**—Course 35 continued. Second semester.

PHYSICAL EDUCATION—PRACTICE

MEN—FIRST YEAR

13. **Gymnastics**—Light gymnastics—free hand body building work and wands. Heavy gymnastics—elementary exercises on parallel bars, side and long horse, buck, vaulting and horizontal bar and tumbling. Games and contests. Boxing and wrestling. Three hours attendance. One hour credit. First semester. MR. HOOPER
14. **Gymnastics**—13 continued. Light gymnastics—Indian clubs, dumb bells, and bar bells. Heavy gymnastics—more advanced work on all the heavy apparatus. Gymnastic and athletic games and contests. Boxing and wrestling. Three hours attendance. One hour credit. Second semester. MR. HOOPER

Students who have registered and received credit for courses 13 or 14 will not hereafter be allowed to re-register for the same course.

SECOND YEAR

15. **Gymnastics**—Advanced course. Light and heavy gymnastics. For those who have completed courses 13 and 14 or their equivalent. Wrestling and fencing. Two hours attendance. One hour credit. First semester. PROFESSOR CLAPP

16. **Gymnastics**—15 continued. Second semester.

31. **Leaders' Class**—Members must be proficient in all forms of gymnastics. Consult instructor before registering. One hour credit.
First semester. PROFESSOR CLAPP

32. **Leaders' Class**—31 continued. Second semester.

WOMEN—FIRST YEAR

21. **Light Gymnastics**—Swedish gymnastics. Correction of improper walking and standing positions. Elementary dancing and gymnastic games. Lectures in personal hygiene. Four half hours' attendance. One hour credit. First semester. Miss ——

22. **Light Gymnastics**—21 continued. Elementary work on balance beams, spring boards, stall bars, booms, ropes, etc. Four one-half hours' attendance. One hour credit. Second semester.
Miss ——

SECOND YEAR

23. **Light Gymnastics**—Military marching. German gymnastics, dumb bells, wands, and Indian clubs. Elementary exercises on horse, parallel bars, flying rings and buck. Athletic and gymnastic games. Folk and artistic dancing. Four half-hours' attendance. One hour credit. First semester. Miss ——

24. **Light Gymnastics and 23 continued**—Basketball, indoor baseball, field hockey and tennis. Four half-hours' attendance. One hour credit. Miss ——

25. **Gymnastics and Athletics**—Advanced course. Horse, parallel bars, vaulting bar, ladders, flying and traveling rings and buck. Running and hurdling, high and broad jumping, and shot-put. Consult instructor before registering. First semester. Miss ——

26. **Gymnastics and Athletics**—25 continued. Foil fencing and Swedish folk dances.

33. **Light and Heavy Gymnastics**—(For Normal Training students only). Advanced Swedish gymnastics on stall bars, boom, parallel bars, ropes, poles, etc. Swedish song-games, folk and aesthetic dancing. Indoor baseball, tennis, basketball and swimming. Six hours attendance. One hour credit.

Miss —— AND Miss ——

34. **Light and Heavy Gymnastics**—(For Normal Training students only)—33 continued. Advanced work with dumb bells, wands and Indian clubs. Advanced apparatus work on horse, parallel bars, flying and traveling rings, spring board, buck, etc. Fencing. Six hours attendance. One hour credit.

MISS ——— AND MISS ———

PHYSICS

PROFESSOR SKINNER, PROFESSOR MOORE, PROFESSOR ALMY, ASSISTANT PROFESSOR HECK, ASSISTANT PROFESSOR TUCKERMAN, MR. TOOL

For undergraduates the courses in general and experimental physics (1, 2, 3, 4) or the corresponding numbers with the letters *a* and *b* are best taken in sequence and are prerequisite to all others. For these, two credit points under the requirements for admission to the University (in which laboratory experience is essential) are necessary. Those having sixty hours credit in the University are, however, exempt from this requirement. Some knowledge of trigonometry (which may be acquired by private study) is also needed.

Courses 5 and 6 are for students in electrical engineering.

For the Teachers' Certificate courses 1, 2, 3, 4 (or the corresponding numbers with letters *a* and *b*) 15 and 16 are required for a major in physics. For a minor either 15 or 16 may be dropped from the requirement for a major; or, the student may offer courses 1*a*, 1*b*, 2*a*, 2*b*, 3*a*, 3*b*, 4*a*, and 4*b*.

GRADUATE WORK

For graduate students instruction is given in both theoretical and experimental physics. Lectures are offered on general theoretical and experimental branches of the subject and also on special topics along the line in which the lecturer is himself engaged in research.

Experimental research is being conducted at present along the following lines: mechanical, thermal and electrical properties of solutions; magnetic and electric deflection of canal rays; absorption of gases by the anode in a glow current; effect of absorbed hydrogen on the discharge of electricity from a metal subjected to Roentgen rays; effect of absorbed hydrogen on the electric conductivity of metal films; phase change by reflection of light from substances possessing selective absorption; dispersion and electric double refraction in liquids; magnetic double refraction of liquids for light transmitted normal to the field; and spectral series determined by the magnetic separation of the lines.

General theoretical physics (Courses 21, 22, 23, 24, 25) is covered in five semesters with four hours lectures weekly, while the special courses are given as the occasion demands.

For the degree of Master of Arts the candidate may offer one major subject and one minor, but is advised to offer only a major, in order that he may devote his time toward completing an investigation which is acceptable for publication in some standard journal of science. In addition to a completed investigation a fair knowledge of theoretical physics is expected. For attaining this degree two years' graduate work is usually necessary.

For the degree of Doctor of Philosophy the same progress beyond the master's as that represents over the baccalaureate is required. Three years' graduate work, that is, one year after obtaining the master's, should be sufficient for this degree. In addition to the work in physics, the candidate must offer two minors from mathematics, chemistry, astronomy, or philosophy.

COURSES

PRIMARILY FOR UNDERGRADUATES

1. **General and Experimental Physics**—Mechanics of solids and fluids. Two hours lecture with illustrative experiments. Solution of problems. Four hours laboratory. Three hours credit. First semester.

PROFESSOR ALMY, ASSISTANT PROFESSOR HECK, MR. TOOL,
MR. SPENCER

2. **General and Experimental Physics**—Heat and sound. As in 1. Second semester.

3. **General and Experimental Physics**—Electricity. Two hours lecture with illustrative experiments. Four hours laboratory. Two hours credit. First semester.

PROFESSOR SKINNER, PROFESSOR MOORE, MR. SPENCER

4. **General and Experimental Physics**—Light. As in 3. Second semester.

- 1a. **Lecture Course in General Physics**—Mechanics of solids and fluids. Two hours lecture with illustrative experiments. Two hours credit. First semester.

PROFESSOR ALMY, ASSISTANT PROFESSOR HECK, MR. SPENCER

- 1b. **Laboratory Course in General Physics**—Four hours laboratory practice per week in mechanics or heat. One hour credit. First semester. PROFESSOR ALMY, ASSISTANT PROFESSOR HECK
- 2a. **Lecture Course in General Physics**—Heat and Sound. As in 1a. Second semester.
PROFESSOR ALMY, ASSISTANT PROFESSOR HECK, MR. SPENCER
- 2b. **Laboratory Course in General Physics**—As in 1b. Second semester. PROFESSOR ALMY, ASSISTANT PROFESSOR HECK
- 3a. **Lecture Course in General Physics**—Electricity. As in 1a. Two hours credit. First semester.
PROFESSOR SKINNER, MR. SPENCER
- 3b. **Laboratory Course in General Physics**—Four hours laboratory practice per week in Electricity or light. One hour credit. First semester. PROFESSOR MOORE
- 4a. **Lecture Course in General Physics**—Light. As in 1a. Two hours credit. Second semester.
PROFESSOR SKINNER, MR. SPENCER
- 4b. **Laboratory Course in General Physics**—As in 3b. Second semester. PROFESSOR MOORE
5. **Problems in Electricity**—(Prerequisite: Course 3). Two hours attendance. Two hours credit. Second semester.
ASSISTANT PROFESSOR TUCKERMAN
6. **Electrical Measurements**—(Prerequisite: Courses 3 and 5). Eight hours laboratory. Three hours credit. First semester.
ASSISTANT PROFESSOR TUCKERMAN
7. **Exact Physical Measurements**—In heat, the determination of freezing and boiling points; in electrochemistry, the study of electrolysis, conductivities, electromotive forces and electrolytic polarization; in optics, the use of the spectroscope, diffraction grating, interferometer, polariscope and accessories. Open to students who are taking special work in physics, chemistry, or astronomy and experiments are selected to fit the demands of their specialty. One hour reading. Six hours laboratory. Three hours credit. First semester. PROFESSOR MOORE
8. **Exact Physical Measurements**—As in 7. Second semester.

15. **Construction and Manipulation of Physical Apparatus**—Construction and assembling of the simpler apparatus used in the laboratory and class room of the accredited high schools; methods of demonstration in general physics. Practical work in glass blowing, grinding, cutting, etching, metal working, silvering and electroplating. Prerequisite: Courses 1, 2, 3, 4. Six hours laboratory. Two hours credit. First semester.

PROFESSOR SKINNER, MR. SPENCER

16. **Construction and Manipulation of Physical Apparatus**—15 continued. Second semester.

FOR UNDERGRADUATES AND GRADUATES

17. **Advanced Experimental Physics**—Exact determination of physical constants, requiring a careful duplication of some classic experiments in physics in which a single experiment is expected to cover a period of about one semester, or an introduction to research. Fifteen hours laboratory. Five hours credit. First semester.

PROFESSOR SKINNER, OR PROFESSOR MOORE, OR PROFESSOR ALMY

18. **Advanced Experimental Physics**—As in 17. Second semester.

PRIMARILY FOR GRADUATES

Research—Original investigation of some problem in physics. No time limit imposed. Less than fifteen hours a week is not advisable.

PROFESSOR SKINNER, OR PROFESSOR MOORE, OR PROFESSOR ALMY

THEORETICAL PHYSICS

21. **Dynamics of Discrete Particles**—Formal development of the general principles of mechanics: D'Alembert's Principle—Gauss' Principle of Least Constraint—Hamilton's Principle of Least Action—La Grange's Equations—Hamilton's Canonical Equations—Applications to special problems. Four hours lecture. Four hours credit. First semester.

ASSISTANT PROFESSOR TUCKERMAN

22. **Elasticity and Hydrodynamics**—*Elasticity*: Deformations of homogeneous media, isotropic and crystalline; vibrations of isotropic media; applications to special problems. *Hydrodynamics*: Irrotational and vortex motions; scalar and vector potentials; ap-

plication to mechanical theories of electromagnetic phenomena.
21 continued. Second semester.

ASSISTANT PROFESSOR TUCKERMAN

23. **Electricity and Magnetism**—The fundamental equations of Maxwell, applied to the theory of Static, Stationary, Quasistationary, and Kinetic Electromagnetic fields. A short outline of Vector Analysis and Quaternions (Hamiltonian and Continental Notations) is given as an introduction. Four hours. First semester.

ASSISTANT PROFESSOR TUCKERMAN

24. **Electro-Optics**—Electromagnetic oscillations and their application to the theory of light. 23 continued. Second semester.

ASSISTANT PROFESSOR TUCKERMAN

25. **Theory of Heat**—Development of the principles of thermodynamics from the two "fundamental laws," also conduction and radiation. Four hours credit. One semester. PROFESSOR ALMY

26. **Theory of Sound**—Theory of small oscillation of strings, bars, and air columns; propagation of sound. Three hours credit. One semester. PROFESSOR ALMY

27. **Optics**—Theory of ray systems; application to optical instruments. Three hours credit. One semester. PROFESSOR SKINNER

28. **Thermo- and Electro-Chemistry**—Three hours credit. One semester. PROFESSOR MOORE

- 29-30 **Theory of Changes of Physical State and Chemical Constitution of Bodies**—Two hours credit. First and second semesters. PROFESSOR MOORE

31. **Thermodynamics of Radiation**—Four hours lecture. Four hours credit. One semester. ASSISTANT PROFESSOR TUCKERMAN

32. **Electric Conduction in Gases**—Faraday's law; ionic velocities; cathode rays; radioactivity; electron theory. Two hours credit. One semester. PROFESSOR SKINNER

33. **Thermo-Electricity**—Two hours credit. Second semester.

ASSISTANT PROFESSOR HECK

Physical Colloquium—Instructors and graduate students meet weekly for presentation of short papers on the progress of their investigations and those reported in current periodicals.

PHYSIOLOGY

PROFESSOR GUENTHER

A consideration of the facts and theories underlying the functions of muscle and nerve, of secretion, digestion, absorption, blood and lymph, circulation, respiration, animal heat, metabolism, the central nervous system, special senses and reproduction. Students are not advised to enter upon courses 1, 2, or 3 until their preparation in general biology, physics, chemistry, histology, mammalian anatomy, embryology and neurology is equivalent to the work required of medical students.

Courses 4 and 5 are provided for students not having had the preparation necessary for courses 1, 2 and 3, but who desire a general knowledge of human physiology. A preparatory year in general biology is highly recommended.

Candidates for advanced degrees must have completed the general scientific course in this University or its equivalent. The ability to read German and French is very desirable. Candidates are advised to consult with the head of the department before registering.

MASTER OF ARTS

SECOND MINOR: Courses 1 and 2.

FIRST MINOR: Courses 1, 2, 3 and assigned reading.

MAJOR: Courses 1, 2, 3, with assigned reading and thesis.

PRIMARILY FOR UNDERGRADUATES

1. **Animal Physiology**—Lecture, demonstration and laboratory course.
Two hours lecture. Four hours laboratory. Two hours credit.
First semester. PROFESSOR GUENTHER
2. **Animal Physiology**—1 continued. Second semester.
3. **Advanced Physiology**—Three hours quiz. Three hours laboratory.
Three hours credit. First semester. PROFESSOR GUENTHER
4. **Human Physiology**—Lecture, laboratory and quiz course. Two
hours quiz. Three hours laboratory. Two hours credit. First
semester. PROFESSOR GUENTHER
5. **Human Physiology**—4 continued. Second semester.
PROFESSOR GUENTHER
6. **Human Physiology**—Arranged for pharmacy students. Similar to
4. Two hours lecture. Three hours laboratory. Two hours
credit. First semester. PROFESSOR GUENTHER

7. **Human Physiology**—6 continued. Second semester.

PROFESSOR GUENTHER

8. **General Physiology**—Comparative study of the physiology of animals. Special emphasis on the more philosophical aspects of the subject. Teachers' course. Five hours attendance. Three hours credit. Laboratory hours to be arranged. First and second semesters.

PROFESSOR GUENTHER

POLITICAL ECONOMY AND COMMERCE

HEAD PROFESSOR TAYLOR, PROFESSOR VIRTUE, DR. STEPHENS, DR. ENGLAND,
MR. MALLERY, MR. ALEXANDER

GENERAL INFORMATION

UNDERGRADUATES

For those intending to teach economics, Courses 15*b* and 10*a* and 10*b*, which serve as a model of the economic work for high schools, are recommended. Course 1 should be taken previously to all other courses except 3, 2, 13, and 10*a*.

A candidate for the Teachers' Certificate must have completed the following courses in order to make Political Economy and Commerce a major: 15*b*, 10*a* and 10*b*, 5, 2, 1, 12, 16.

COURSES APPROPRIATE TO STUDENTS OF DIFFERENT YEARS

SENIOR

First Semester

Seminary in Private Finance
Seminary in Economic Ethics
Recent Economic History
Scope and Method

Second Semester

Seminary in Values and Incomes
Seminary in Private Finance
Seminary in Economic Ethics
History of Recent Prosperity
Statistics

JUNIOR

Stock Exchanges
History of Crises
Railway Problems
Socialism

Corporation Finance
Public Finance
Foreign Commerce of United States
Insurance

SOPHOMORE

First Semester

Elementary Political Economy*
Accounting Work and Wages

Second Semester

Elementary Political Economy*
Financial History of the United
States
Money and Banking
Colonization

FRESHMEN

History of Commerce
Geography of Commerce
Business Organization
Economic Exercises
English Economic History

American Industries
Economic Exercises
United States Economic History

GRADUATES**MASTER OF ARTS**

SECOND MINOR: Six hours.

FIRST MINOR: Ten hours.

MAJOR: Sixteen hours.

The selection of courses is influenced by the special nature of the thesis undertaken and must be approved. More advanced courses are required in the major than in the minors. Both political economy and commerce are required for a second degree in proportion to the needs of the candidate. One who has pursued economic courses as a part of his undergraduate work is much better prepared to obtain good results in his thesis than if he comes inexperienced in the subject. In the latter case it is difficult to take the degree within the minimum period on account of the research demanded by the thesis. A knowledge of the principles of economics is a condition precedent to the undertaking of research.

DOCTORS OF PHILOSOPHY

The degree of Doctor of Philosophy is given on the completion of the course usual for that degree. The requirements for each candidate must be carefully arranged at private conference with the head of the department at the beginning of the candidacy.

* First year students are admitted to this course upon consultation with the teachers for the respective semesters.

COURSES

PRIMARILY FOR UNDERGRADUATES

1. **Political Economy**—Elementary course. Preliminary view of the subject with a text, intended as a general preparation for the more special courses offered in the department. The student is invited to conceive of industrial activity as a system, and is aided by a thorough system of questions and answers. While this course is best adapted to second-year or older students, there are many first-year students who can take it with advantage, and who will be permitted to do so upon consultation with the teachers in the respective semesters. Those who have already taken courses 2 and 10 have a desirable preparation for this rapid survey. Three hours attendance. Three hours credit. First and second semesters.

HEAD PROFESSOR TAYLOR, PROFESSOR VIRTUE

3. **Geography of Commerce**—A general survey of the fundamental physiographic conditions and human agencies affecting industrial and commercial development, followed by a careful study of topography, climate, natural resources, industries and commerce of each of the principal countries of the world. This course is intended to serve as an introduction to the much more detailed study of typical American industries given in course 2. Three hours attendance. Three hours credit. First semester.

DR. STEPHENS

2. **American Industries**—A detailed study of typical agricultural, extractive and manufacturing industries of the United States. The methods of producing such important food products and raw materials as corn, wheat, cotton, wool, live stock, forest products and iron ore, together with the general conditions underlying such production in the various districts, are studied with great care. The various methods of marketing and shipping these products are especially emphasized. After tracing the principal raw materials from the producer to the factory, the various processes involved in manufacturing finished products are outlined. Then the finished products are traced to the consumer, great emphasis again being laid upon marketing and shipping problems. Some of the industries are covered by lec-

tures by the instructor and some by co-operative topical work on the part of the students. Three hours attendance. Three hours credit. Second semester.

DR. STEPHENS

5. **Business Organization**—A study of the general principles involved in up-to-date organizing of various businesses. Some of the principal topics considered are factory organization, factory cost-keeping, commercial organization of the factory, stock and produce exchanges, direct selling, wholesaling and retailing, traveling salesmanship, mail-order business, advertising, credits and collections. One hour attendance. One hour credit. First semester.

DR. STEPHENS

7. **Accounting**—A study of the fundamental principles and the most up-to-date methods of modern bookkeeping and their application to mercantile and manufacturing accounting, public service corporation accounting, fiduciary and other important forms of accounting. Three hours attendance. Three hours credit. First semester. Given in 1910-1911.

DR. STEPHENS

9. **Insurance**—The historical development of marine, fire, life, accident, health, liability and other forms of insurance is briefly outlined, and their economic importance shown. The essential features of insurance administration, governmental control and supervision of insurance companies, the various methods of computing premiums, the organization and management of agencies, taxation of insurance companies and other important questions are discussed. Special attention is given to a detailed comparative study of the chief provisions in various sample policy contracts. Two hours attendance. Two hours credit. First semester.

DR. STEPHENS

11. **Work and Wages**—History of the modern labor movement; organization of labor; history of wages in the 19th century; theory of wages. Methods of remuneration; hours and conditions of labor; migration; elevation and degradation of labor; strikes; conciliation; voluntary and compulsory arbitration; voluntary and compulsory insurance; pensions; workingmen in politics. Three hours attendance. Three hours credit. First semester.

DR. STEPHENS

4. **Colonization**—Its economic objects and importance, to what extent it is properly a matter of private enterprise, whether state expenditure pays economically, and whether private enterprise is rewarded. Different relations of public and private activity at different periods of colonial development. Different economic interests of different kinds of colonies and of different colonial populations. Economic interests of aboriginal peoples. Taxation in colonies, whether by customs, duties or otherwise. Export and import taxes. The question of free trade between the colony and the mother country. The proper policy with respect to colonial lands. Registry of deeds and land tax. Proper proportion of dominant to aboriginal races. Three hours attendance. Three hours credit. Second semester.

DR. ENGLAND

6. **Foreign Commerce of the United States**—An historical review of the development of our commerce and commercial policy. A detailed study of our present foreign trade and of the methods employed by our importers and exporters. Lectures accompanied by the use of trade papers, consular reports and other government publications. Three hours attendance. Three hours credit. Second semester.

DR. STEPHENS

8. **Financial History of the United States**—Parallel readings, reports. Three hours attendance. Three hours credit. Second semester.

PROFESSOR VIRTUE

13. **English Economic History**, with especial reference to the industrial revolution. Three hours attendance. Three hours credit. First semester.

PROFESSOR VIRTUE

15b. **Exercises in Political Economy**—Intended to awaken an organic conception of industrial society. One hour attendance. One hour credit. First semester.

MR. J. M. ALEXANDER

10a. **American Economic History**—b. Continuation of 15b. This course (13, 15b and 16a and b) treats of the matter recommended for high schools and is intended as the beginning course for undergraduates as well as for those who intend to teach in high schools. Four hours attendance. Four hours credit. (a three hours credit, b one hour credit) Second semester.

a. DR. ENGLAND

b. MR. J. M. ALEXANDER

17. **History of Commerce**—A general survey of the development of ancient and mediaeval commerce, followed by a more detailed study of modern commerce and industry. The course includes a discussion of the most important relations between commercial and political development, the important changes in industrial and commercial organization, the influence of great geographical discoveries and technical improvements, the causes of the various shiftings of commercial routes and centers, the influences of aesthetic tastes, religious beliefs and rivalries, social customs and moral teachings upon human demands, the attitude of various church organizations towards commerce, and the influence of different economic theories. Three hours attendance. Three hours credit. First semester. PROFESSOR VIRTUE

19. **Stock and Produce Exchanges, Boards of Trade**—A description of the nature of the business carried on in the stock and produce markets. Options and futures, puts, calls, and straddles. The settlement and liquidation of exchange operations. The practice of covering by dealers in produce. The legitimate field of the exchange business, its abuse, and control exercised and sought to be exercised in this and other countries. Three hours attendance. Three hours credit. First semester. Given in 1910-1911. DR. ENGLAND

FOR UNDERGRADUATES AND GRADUATES

12. **Money**—Credit, banking, and bimetallism. The nature and explanation of credit, its place and significance in industry and commerce; the banking systems of the principal countries and their history; the theory of banking; the relation of credit to production, to the price-level, and to the money market; the interrelation between credit and the monetary unit; the theory of the relation of the supply of the monetary metal to the level of prices and to the money market; the various propositions for decreasing fluctuations in prices by improving the monetary unit; the theory of justice between debtor and creditor and of the obligation of government to them. Lectures, discussions, readings, reports, and short theses. Three hours attendance. Three hours credit. Second semester. HEAD PROFESSOR TAYLOR
14. **Seminary in Values and Incomes**—History of economic theory in ancient and mediaeval times; beginning of modern political

economy; the Cameralists, the Mercantile Doctrine; the Physiocrats; Adam Smith, Malthus, Ricardo, J. S. Mill and other classical economists. Three hours attendance. Three hours credit. Given in 1910-1911.

DR. STEPHENS

16. **Seminary in Values and Incomes**—History of economic theory from Mill to the present day; the Historical School; Jevons and the Austrian School; Marshall and other recent English economists; theories of Clark, Carver, Fisher, Davenport and other recent American writers; recent economists of continental Europe. Three hours attendance. Three hours credit. Second semester.

DR. STEPHENS

21. **Socialism**—History of socialistic thought before the French Revolution; Utopias of Plato, More, Campanella; Utopian theories of Owen, Saint-Simon, Fourier; communistic experiments in Europe and America; Proudhon, Blanc, Marx, Lasalle; growth of socialist parties in Germany and throughout the world; recent socialistic theory and criticism. Three hours attendance. Three hours credit. First semester.

DR. ENGLAND

23. **History of Economic Crises**—A comparative study of the economic industrial, and financial crises of the seventeenth, eighteenth, and first half of the nineteenth centuries up to 1873. Supplementary readings on the theory of crises. Three hours attendance. Three hours credit. First semester.

DR. ENGLAND

25. **Recent Economic History**—An international study of the changing conditions underlying recent industry and commerce: the extension of transportation and of cultivated areas, the expansion of markets, the introduction of improvements, the reorganization of business, the nature of tariffs as cause or effect, the fluctuation of tariff legislation in the different countries, the relation of these changes to commercial crises, the theory of business progress explanatory of them. Four hours attendance. Four hours credit. First semester.

HEAD PROFESSOR TAYLOR, MR. MALLERY

18. **The History of Recent Financial Prosperity and Depression**—The world crises of 1873, 1883, 1893, and 1903; the local and minor crises preliminary to the main crisis; the transmission of the crisis from country to country; the fluctuations in investment,

bank items, and prices in the principal countries; the action and reaction between industrial activity and financial business; estimate of the prosperity of the world and of the principal countries year by year; the financial cycle as an element in industrial progress. Lectures, readings and reports. Four hours attendance. Four hours credit. Second semester.

HEAD PROFESSOR TAYLOR, MR. MALLERY

27. **Seminary in Private Finance**—Reports on current financial events at home and abroad; separate topics of investigation assigned to different members. The topics relate to financial and industrial prosperity and depression, to crises and panics. The students are referred to the financial and industrial journals and periodicals as well as to current treatises, and the results of their several investigations are presented in annual reports at the end of the year. It is advisable to precede this course by course 2 and to accompany it when possible by courses 11 and 12. Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR TAYLOR

20. **Seminary in Private Finance**—27 continued. Second semester.

HEAD PROFESSOR TAYLOR

22. **Corporation Finance and Investments**—This course includes an introductory study of the historical development of corporations, the advantages and disadvantages of large scale production, the various forms of combination such as pools, trusts and holding companies, federal and state anti-trust laws and decisions, followed by a detailed study of the methods of promoting and capitalizing larger combinations, and various other important problems involved in their financing. Special emphasis is given to the discussion of the merits and demerits of the stocks and bonds of industrial, public service and railroad corporations as investments, and the stock market methods underlying their purchase and sale. The financial development of numerous typical corporations is studied from their reports and from other sources, as a basis for judging the merits of their securities as investments. Two text-books are used and these are supplemented by lectures and topical reports. Three hours attendance. Three hours credit. Second semester. DR. STEPHENS

24. **Public Finance**—General principles of public finance, financial policies of the leading nations; budgets; sources of revenue;

customs and exercise; taxation of land, improvements, personal property, incomes, inheritances; taxation of corporations; tax commissions; reforms in taxation; economy in expenditure; a special study of state and local revenue and expenditure in Nebraska. Three hours attendance. Three hours credit. Second semester. Given in 1910-1911. PROFESSOR VIRTUE

31. **State and Local Taxation**—Seminary on the current taxation problems before the American people. Three hours attendance. Three hours credit. First semester. Given in 1910-1911.

PROFESSOR VIRTUE

33. **Railways**—History of Transportation in Europe and America; navigation, lakes and rivers; roads and bridges; canals; growth of railways; internal development by means of railways; railway finance; governmental aid; theory of rates; discrimination; governmental control; governmental ownership in Europe, India, and Australia; State and Federal Railway Commissions. Three hours attendance. Three hours credit. First semester.

PROFESSOR VIRTUE

26. **Statistics**—A study of the preparation, interpretation and application of economic statistics, and especially of the determination of the rise and fall of general prices. Three hours attendance. Three hours credit. Second semester. Given in 1910-1911.

DR. ENGLAND

35. **Scope and Method of Political Economy**—In this course the limits of economics and its relation to other sciences will be indicated. Practical exercises in the solution of the various types of economic problems will be employed to show the proper use and the limitations of the various methods of economic study. Lectures, papers, discussions. Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR TAYLOR

Given in 1910-1911.

37. **Economic Ethics**—Seminary on the ethical bearing of recent tendencies in business and corporation management, and the relation of those tendencies to prosperity. Two hours attendance. Two hours credit. First semester. Given in 1910-1911.

HEAD PROFESSOR TAYLOR

38. **Economic Ethics**—Continuation of 37 in the second semester. Given in 1910-1911

HEAD PROFESSOR TAYLOR

POLITICAL SCIENCE AND SOCIOLOGY

HEAD PROFESSOR HOWARD, PROFESSOR HUTTON WEBSTER, ASSOCIATE PROFESSOR EAVES, ASSISTANT PROFESSOR AYLSWORTH, LECTURER SHELDON

GENERAL INFORMATION**UNDERGRADUATE WORK**

As a rule students are expected to begin their work in political science with Courses 1 and 2 or 3 and 4, followed first by 12, or both 11 and 12, and later by a choice of the more advanced courses. Students already well grounded in civil government, or advanced in University work, are advised to begin with 11 and 12, followed by more specialized courses. To those intending to teach civil government, or American history, or both, in the schools, 1 and 2 are recommended as especially adapted in method and matter to their needs.

Courses 5, 6, 10 and 13 are open to Freshmen. With these exceptions, sociological, ethnological, or anthropological studies should be deferred to the later years. As further preparation for them courses 1 and 2 in each of the departments of American History, European History, and Political Economy are recommended. All undergraduates each year are advised to register for courses A1 and A2.

The six hours of required electives hitherto confined to history only may now be taken in either history or political science and sociology at the student's option.

Candidates for the University Teachers' Certificate may elect the required special work in this department in conjunction with allied subjects.

REQUIREMENTS AND FACILITIES FOR GRADUATE WORK

The minimum requirement for the degree of Master of Arts is one full year's work or the equivalent of about thirty class-hours, including a thesis. A candidate may devote his entire time to the work of the department; or he may divide it between a major and a minor. A minor is the equivalent of nine class-hours. The selection of courses is influenced by the character of the thesis.

The minimum requirement for the degree of Doctor of Philosophy is three full years' work of which about three-fifths, or the equivalent of about sixty class-hours, must be given to the major subject. The remaining two-fifths of the time, or the equivalent of about forty class-hours, must be devoted to a first minor or divided equally between two

second minors. The particular courses in the major subject are selected with regard to the character of the thesis and with reference to the candidate's aim and preparation. The thesis must be the result of the sustained investigation of the original materials. Without undergraduate training in thesis-writing or research courses, it is difficult to take either the master's or the doctor's degree in the minimum period. Preferably minors may be selected in the departments of economics, history, or public law; but minors will be accepted in education, philosophy, or other departments, according to the needs of the candidate. In all cases a good knowledge of economics and history is required.

The facilities available for graduate study and research in both political science and sociology are excellent. The libraries of the University, city, state, and the State Historical Society afford the student access to an aggregate of about 150,000 volumes. The University Library contains the standard authorities and reference works on institutional history, social science, anthropology, ethnology, Roman law, historical jurisprudence, political philosophy, government, politics, administration, and statistics. It is especially strong in public documents and other material, source and secondary, for the investigation of problems in American government and administration. The State Library of 50,000 volumes supplements those of the University and the College of Law. It is one of the best law libraries in the west—rich in materials for a comparative study of government and legislation in the different states. In the Historical Society's collections and the public archives at the state Capitol there is accessible a mine of source material for investigating state and local government and administration in Nebraska. When these resources prove inadequate in special investigations, desired books will be purchased or temporarily borrowed from other libraries.

The location of the University at the state capital gives an opportunity for personal observation and study of the actual problems and practical workings of state and municipal legislation and administration.

Many valuable allied courses in economics, history, jurisprudence, and law are to be had in other departments.

COURSES

PRIMARILY FOR UNDERGRADUATES

A1. Thesis or Research Work—Students in the departments of Political Science and Sociology and American History are given an

hour credit each semester on presentation of a satisfactory thesis. A student taking two or more courses in one or both departments may elect his thesis in connection with any one of such courses, and the instructor in that course becomes his adviser on the thesis. Other students may register by consent of any instructor in these departments. Registration and selection of subject by advice of the instructor. Except graduates and members of seminaries otherwise provided with research work, this course is required of all majors in political science and sociology. Students who thus register are excused from other research papers. Personal conferences take the place of class attendance. One hour credit. First semester.

A2. Thesis or Research Work—A1 continued. Second semester.

1. **American Government**—Introductory study of salient features in historical development, political structure, and actual workings of national, state, and local governments as parts of one whole. National government, first semester. Open to all students. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR AYLSWORTH

2. **American Government**—Complement of Course 1. May be taken before Course 1. State and local governments. Special study of Nebraska, in comparison with other states, as a type of both federal and state relations, and state and local government. Open to all students. Two hours attendance. Two hours credit. Second semester.

ASSISTANT PROFESSOR AYLSWORTH

3. **Biography of Statesmanship**—From Roger Williams to Abraham Lincoln: character and deeds of twenty state-builders in America. Role of great men in social progress. Personality in social achievement. Especially recommended for Freshmen and Sophomores; of value to more advanced students. Supplemented by Course 25. Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR HOWARD

Given every year.

4. **Biography of Statesmanship**—3 continued. New registrations accepted. Second semester.
5. **General Anthropology**—An elementary course, illustrated with lantern slides. Somatology and Archaeology are treated during

the first semester. After introductory lectures on the history and materials of anthropological research, the following topics are taken up in order: the origin and development of the human species; the body and mind of man; European archaeology during the ages of stone and metal; and American archaeology. In the second semester, Ethnology and Ethnography are treated. Detailed studies are made of the genesis and evolution of language, writing, and the arts of life. After a preliminary review of the classification of races and sub-races, attention is directed to the various peoples of Asia, Africa, Oceania, and America. Special consideration is devoted to the ethnic relations of the inhabitants of ancient and modern Europe. The course concludes with the treatment of such topics as racial contact through geographical discovery, the racial endowments of different peoples, and the race problems of modern countries, particularly of the United States. Lectures, assigned readings, and the preparation of essays. Open to all students. Three hours attendance. Three hours credit. First semester.

PROFESSOR WEBSTER

6. General Anthropology—5 continued, second semester.

- [10. **Elementary Sociology**—Lectures and lantern slides. Variety of social forms; evolution in each of the great departments of social life. Open to all. Two hours attendance. Two hours credit on submitting a written analysis of assigned reading, the equivalent of about two hours a week. Second semester.

HEAD PROFESSOR HOWARD]

Not given in 1909-1910.

- [11. **Colonial Government**—General study of colonial politics and administration with reference to our American colonial problems. The principal forms of colonial government, "spheres of influence," protectorates, "crown" and self-governing colonies; colonial administration; administrative problems. Open to students who have had 1 and 2 or 3 and 4, and to others well grounded in civil government. Three hours attendance. Three hours credit. First semester.

ASSISTANT PROFESSOR AYLSWORTH]

Not given in 1909-1910.

- [12. **Comparative Government**—Central governments of the leading nations, particularly Great Britain, France, Germany, Switzer-

land, Japan, and possibly Russia. Constitutional beginnings, governmental organization, actual legislative and administrative methods, leading political parties and issues. Occasional stereopticon views. Open to students who have had 1 and 2 or 3 and 4 and to others well grounded in civil government. Three hours attendance. Three hours credit. Second semester.

ASSISTANT PROFESSOR AYLSWORTH]

Not given in 1909-1910.

13. **Biography of Social Service**—A study of the character, aims, methods of work, and social value of a group of great leaders of reform movements. It deals with "Personality in social achievement" in other fields than those of the statesman. It is intended as an introductory course for those wishing to take the work in practical sociology. Two hours attendance. Two hours credit. First semester. ASSOCIATE PROFESSOR EAVES

FOR UNDERGRADUATES AND GRADUATES

15. **General Sociology**—Principles of social science. For third and fourth year students and graduates. Three hours attendance. Three hours credit. First semester.

HEAD PROFESSOR HOWARD

16. **Problems in Social Psychology and Ethics**—Chief psychic factors in social evolution. Laws of suggestion, mob-mind, and imitation; "craze," "fad," and sect; fashion, conventionality, custom, and tradition; leadership, genius, hero-worship, role of great men; social conflict, compromise, discussion, free speech, free press, public opinion; social sins, standards of private and social ethics. Theories of Le Bon, Tarde, Sidis, Ward, and Ross. For third year and more advanced students. Three hours attendance. Three hours credit. One hour credit for mere attendance with the presentation of a satisfactory written analysis of about one hour a week assigned reading. Second semester.

HEAD PROFESSOR HOWARD

17. **Social Institutions**—A study from the evolutionary standpoint of the various social institutions in their prehistoric origin and historical development. 1. Domestic institutions: primitive relation of the sexes; forms of human marriage; position of women and children. 2. Political institutions: clan, tribe, and state;

beginnings of government; rule of elders, chiefs, and kings; rise of councils and popular assemblies. 3. Legal institutions: property rights; crime and punishment. 4. Economic institutions: slavery, serfdom and free labor; village communities and guilds; evolution of monetary systems. 5. Ceremonial institutions. 6. Societary institutions: secret societies, brotherhoods and clubs; castes. 7. Ethical institutions: systems of taboo; evolution of crime; warfare; the growth of altruism. The course concludes with an examination of the social systems of various primitive peoples. Two hours attendance. Two hours credit. First semester.

PROFESSOR WEBSTER

18. **Social Institutions**—17 continued. Second semester.

[19. **Labor Legislation**—The development of legislation for the regulation and protection of wage-workers in countries other than the United States. Particular attention will be given to the English labor laws and decisions. Two hours attendance. Two hours credit. First semester. ASSOCIATE PROFESSOR EAVES]

Given in 1910-1911 and alternate years.

[20. **Labor Legislation**—The labor laws and decisions of the United States, with a more detailed study of the development of this legislation in Nebraska. Two hours attendance. Two hours credit. Second semester. ASSOCIATE PROFESSOR EAVES]

Given in 1910-1911 and alternate years.

21. **Socialization of Education**—Courses 21 and 22 deal with the efforts to give definite training in preparation for effective participation in modern social life. Attempts that are being made in France, Germany, and America, to give instruction in the public schools in civics and morals will be examined, and the text-books and courses of study now in use in American schools will be reviewed and criticised. Two hours attendance. Two hours credit. First semester. ASSOCIATE PROFESSOR EAVES

Given in 1909-1910 and alternate years.

22. **Socialization of Education**—Course 21 continued. The second half of the course will deal with the social significance of such popular educational movements as vacation schools, public recreation centers, university extension, special forms of public library

work, and industrial education. Two hours attendance. Two hours credit. Second semester. ASSOCIATE PROFESSOR EAVES
Given in 1909-1910 and alternate years.

23. **Modern Social Betterment Movements**—Social settlements, welfare work of large employers, efforts to protect the health of the public, housing problems, public parks and playgrounds, and other forms of modern social betterment service will be studied. Three hours attendance. Three hours credit. First semester.
ASSOCIATE PROFESSOR EAVES

24. **Poverty and Dependence**—This course includes a general discussion of the causes of poverty and dependence and the principles of prevention and relief, with a more concrete study of modern methods of caring for the poor. State institutions for the care of dependents, the methods of work of charitable and religious societies, and emergency relief in times of great calamities will be among the subjects considered. Three hours attendance. Three hours credit. Second semester.
ASSOCIATE PROFESSOR EAVES

- [25. **Development of the English Constitution Since 1603**—Causes and results of Puritan Revolution; British Empire under George III; struggle for economic, industrial, and political reform in the 19th century; the present system of cabinet-parliamentary government. Special stress on personality and biography of statesmanship. In case of conflict, recommended in place of Course 3. Three hours attendance. Three hours credit. First semester.
HEAD PROFESSOR HOWARD]
Given in 1910-1911 and alternate years.

26. **Criminal Sociology**—Elements of criminology and penology. Particular attention will be given to modern methods of reform as expressed in the juvenile court, reform school, parole, the indeterminate sentence, and better forms of prison management. Two hours attendance. Two hours credit. Second semester.
ASSOCIATE PROFESSOR EAVES

27. **Federal Institutions**—Federal government in the United States, Switzerland, Canada, Australia, South Africa, German Empire,

and the Latin American Republics. Three hours attendance. Three hours credit. First semester.

HEAD PROFESSOR HOWARD

Given in 1909-1910 and alternate years.

28. **Federal Institutions**—27 continued. Second semester.

29. **National and State Administration**—Principles and working machinery of our system of administration, national, state, and local; the administrative powers of President and Governor; growth and functions of executive departments and commissions; executive powers of the Senate; recent expansion and centralization in administration; principles controlling official relations. Opportunities for college graduates in these fields. Open only to advanced students except by consent of the instructor. May be made a three-hour course by registering for A1. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR AYLSWORTH

30. **Legislation in Theory and Practice**—Nature and function of legislation; legislative organization and procedure; limitations on legislative action; direct legislation—the initiative and referendum; present legislative problems, abuses, and proposed reforms. Actual preparation, drafting, and criticism of legislative bills. Open only to advanced students except by consent of the instructor. May be made a three-hour course by registering for A2. Two hours attendance. Two hours credit. Second semester.

ASSISTANT PROFESSOR AYLSWORTH

31. **Party Government**—Organization and working of political parties in the United States. Growth of party system; caucus and convention; direct primary; the party committee, "machine," and "boss"; legal control and responsibility of parties; campaign funds; party control of legislation and administration. May be made a three hour course by registering for A1. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR AYLSWORTH

32. **Municipal Government**—Organization and administration of city government in the United States and in Europe. Growth of cities, city home rule, municipal suffrage, initiative and referendum, municipal legislature and executive, the commission system of city government; administrative functions and problems

connected with finances, public health and safety, public works, municipal ownership of public utilities, etc. Lantern slides. Open to those who have had 1 and 2 or 3 and 4, and to others by consent of the instructor. May be made a three hour course by registering for A2. Two hours attendance. Two hours credit. Second semester. ASSISTANT PROFESSOR AYLSWORTH

35. **Religion**—An anthropological and sociological investigation of the evolution of religious beliefs and rites with illustrations from primitive religions and historic faiths. Contact and fusion of different religious ideas and practices in the ancient Mediterranean world. Development of the ideas of spirits and gods; polytheism, dualism, and monotheism. Systems of religious beliefs; fetishism and idolatry; worship of natural objects, animals and plants; ancestor-worship. Magic in its connections with religion; demonology and devil-lore; notions of the soul and of the future life; origin and growth of religious ceremonies, priest-hoods, and mythologies; sacrifice and prayer. Such topics as the classification of religions, connections between religion and morality, sociological factors in the development of religion, present trend of religious progress, etc., receive attention. Two hours attendance. Two hours credit. First semester.

PROFESSOR WEBSTER

36. **Religion**—35 continued. Second semester.

- [37. **Religious Systems**—A study of ancient and modern religious systems in the light of anthropological and sociological research. Historical and descriptive survey of the principal religions and their relation to race and environment, their reactions on one another, and their place in the history of civilization. The topics covered are in order: 1. Religious systems of primitive peoples: Australians, Polynesians, Africans, American Indians, Mexicans, and Peruvians; 2. Isolated national religions: Babylonian-Assyrian, Egyptian, Chinese, and Japanese; 3. Semitic national religions: Syrian and Hebrew; 4. Aryan national religions: Brahmanism, Zoroastrianism, Greek and Roman paganism, Celtic, Teutonic and Slavonic faiths; 5. Universal religions: Judaism, Islam, Buddhism and early Christianity. Two hours attendance. Two hours credit. First semester. PROFESSOR WEBSTER |

Given in 1910-1911 and alternate years.

- [38. **Religious Systems**—Course 37 continued. Second semester.]
39. **Professional Course in Social Service**—This course is planned to give practical experience to those who expect to prepare themselves to take positions in charitable or correctional institutions, or to take part in the social betterment work of churches, or Christian associations, social settlements, probation work of juvenile courts, or welfare departments of industrial establishments. In so far as possible the work will be adapted to the needs of each student preparing for such vocations. It will consist of special investigations, visits to institutions in Lincoln and Omaha, and personal consultations on practical work undertaken. Open to mature students. Each student will investigate some concrete social problem. Two hours attendance besides field-work. Two hours credit. First semester.

ASSOCIATE PROFESSOR EAVES

40. **Professional Course in Social Service**—39 continued. Second semester.

- [41. **Contemporary Political and Social Problems**—Weekly lectures or studies on municipal, state, national, or international political or social questions of the day. Especially designed to inspire greater interest in current problems and wider reading on political and social topics. Open to first year students only on consent of instructor. One hour attendance. One hour credit. First semester.

ASSISTANT PROFESSOR AYLSWORTH]

Not given in 1909-1910.

- [42. **Contemporary Political and Social Problems**—41 continued. Second semester.

- [43. **Theory of Statistics**—Principles and methods of statistical science. Exercises in the investigation of actual social and demographic problems. Two hours attendance. Two hours credit. First semester.

ASSOCIATE PROFESSOR EAVES]

Given in 1910-1911 and alternate years.

- [44. **Sociology and Statistics**—Social, vital, and demographic statistics. Birth, death, marriage, and divorce rates; suicides, pauperism, and crimes; urban and rural sanitary conditions; war,

disease, malnutrition, and child labor. Two hours attendance. Two hours credit. Second semester.

ASSOCIATE PROFESSOR EAVES]

Given in 1910-1911 and alternate years.

PRIMARILY FOR GRADUATES

- [47. **Seminary on Bad Government**—Varieties, causes, and effects of institutional perversion. "Machine"; "boss" in city, state, and national politics; the "lobby," "milking bills," "strike legislation," "court-house ring," Gerrymander, spoils system, and other species of "graft" and graft-methods. Primarily for graduates. By permission a limited number of other specially qualified students may be admitted. One two-hour (evening) session each week. Two hours credit. First semester.

HEAD PROFESSOR HOWARD, ASSISTANT PROFESSOR AYLSWORTH]

Given in 1910-1911 and alternate years.

- [48. **Seminary on Colonies and Colonization**—World-politics. Sociological, economic, and political problems. Imperial problems of the United States in comparison with those of Great Britain, France, and Germany. For graduates and other specially qualified students. One two-hour (evening) session each week. Two hours credit. Second semester.

HEAD PROFESSOR HOWARD, ASSISTANT PROFESSOR AYLSWORTH]

Given in 1910-1911 and alternate years.

49. **Seminary on Municipal Problems**—American and foreign municipal conditions compared; forces determining location, growth, structure, and economic basis of cities; comparison of urban and rural conditions with respect to sociological factors; aspects of bad government; public ownership; "city beautiful," model "municipal program." For graduates and advanced undergraduates. One two-hour (evening) session each week. Two hours credit. First semester.

HEAD PROFESSOR HOWARD, ASSISTANT PROFESSOR AYLSWORTH

Given in 1909-1910 and alternate years.

50. **Seminary on the Family**—Mother-right, father-right, polygyny, polyandry, wife-capture, wife-purchase, theories as to genesis of matrimonial institutions; divorce, marriage, birth-rate, "race-suicide"; legislation and sex-education in the reform movement;

intellectual and industrial liberation of woman; co-education; problems of marriage, the home, and the family. Primarily for graduates. By consent a limited number of other specially qualified students may be admitted. One two-hour (evening) session each week. Two hours credit. Second semester.

HEAD PROFESSOR HOWARD, ASSISTANT PROFESSOR AYLSWORTH

Given in 1909-1910 and alternate years.

53. **Folklore Round-Table**—An examination of those phases of thought and action, which, inherited from prehistoric conditions, still abide among peoples of advanced culture. After preliminary lectures on the study and classification of folklore the subject is discussed under the following heads: 1. Folk-faith: the folklore of animism, magic and myth. 2. Folk-literature: folktales, their diffusion and interpretation, systems of folktales, popular epics and romances, notably those of Celtic and Teutonic peoples; folksongs, folkplays and folksayings, including proverbs, riddles, rhymes, and fables. 3. Folk-custom: popular festivals, ceremonies, games and sports, symbols and superstitions. These topics are studied with special reference to their relation to the beginnings of religion, law, and morality. The course concludes with a survey of the folklore of several European countries and of the United States. One two-hour (afternoon) session each week. This course should prove of special importance to teachers and to others interested in the study of childhood. Two hours credit. First semester. PROFESSOR WEBSTER

54. **Folklore**—53 continued. Second semester.

- [55. **Seminary in Primitive Society**—An advanced course, training in the methods of anthropological research. A general subject is chosen as the basis of the year's work. Each member of the seminary makes a detailed investigation of a particular and limited topic in the general field and presents his results to the class. The subjects chosen for the consideration of the seminary will ordinarily vary from year to year. One two-hour (afternoon) session each week. Open to graduate and other mature students. Two hours credit. First semester.

PROFESSOR WEBSTER]

Given in 1910-1911 and alternate years.

- [56. **Seminary in Primitive Society**—55 continued. Second semester.]

RHETORIC

HEAD PROFESSOR FRYE, PROFESSOR FOGG, ADJUNCT PROFESSOR HOWELL,
ADJUNCT PROFESSOR FORD, ADJUNCT PROFESSOR GASS, MISS
MCPHEE AND ASSISTANTS

GENERAL INFORMATION

The object of the Department of Rhetoric is to provide instruction in the theory and practice of writing and speaking the English language. This end is sought by fundamental drill in the elements of English writing and speaking (Courses 1, 2, 35, 36, 39, 40) followed by further discipline in various advanced courses. Of these advanced courses, a number give additional training in the general forms of discourse—3, 4, 5, 6, 7, 8, in Exposition; 13, 14, 19, 20, in Argumentation and the forms of Public Address; and 25, 26, in Narration and Description; while other courses consider special applications of these general forms—11, 12, 29, 30, the Essay; 15, 16, 17, 18, 22, Debate; 23, 24, Newspaper Writing; 27, 28, Play-writing; 33, 34, Literary Criticism; and 37, 38, Dramatic Interpretation; and 32 deals with the Teaching of Rhetoric and English Composition.

All the courses lay emphasis upon the reading and study, outside as well as in the classroom, of standard literary and scientific works as illustrating the principles of effective composition.

Each student has frequent and regular opportunity to get individual instruction through conferences with his instructor.

To the various opportunities offered in the University for putting in practice the instruction in rhetoric and English composition, the attention of students is called—the intercollegiate debates, the literary societies, the debating clubs, the English Club, the Dramatic Club, the prize-essay contests, and the student publications.

ELECTION OF COURSES

1. Before registering for elective work, the student is advised to consult the department in regard to courses and the order in which they should be taken.

2. A student who has not passed in courses 1 and 2, which are required of all Freshmen in the College of Arts and Sciences, the College of Agriculture, and the College of Engineering, must, to be admitted to any other course in composition, get the consent of the instructor in charge of the course.

3. Excepting within the two groups of courses—13 to 18 and 35 to 40 inclusive—the numbering of the courses is not intended to indicate the order in which they should be taken.

4. Students intending to elect work in debate should take Courses 13, 14 (Argumentation) in the Sophomore year. To this course Freshmen may be admitted only by special permission.

Such students are also advised to get training in those fields where questions for debate mainly lie—American History, European History, Jurisprudence and Public Law, Philosophy, Political Economy and Commerce, and Political Science and Sociology.

5. The following second-semester courses are open, on consent of the respective instructors, to students who have not taken the corresponding first-semester courses: 4, 6, 8, 16, 18, 24, 30, 36, 40.

UNIVERSITY TEACHERS' CERTIFICATE IN RHETORIC AND ENGLISH COMPOSITION

To qualify for the University Teachers' Certificate in Rhetoric and English Composition, the candidate must have completed with credit (the grade of "G" or "E") the following courses: 1, 2 (Rhetoric and English Composition), 7 and 8 (English Composition), 13, 14 (Argumentation), and 32 (The Teaching of Rhetoric and English Composition—Teachers' Course). The minor requirement for the certificate may be met by omitting courses 8 and 14.

Persons intending to be candidates for the certificates should so advise the department and arrange their courses by the beginning of the Junior year.

REQUIREMENTS FOR GRADUATE WORK

For the degree of Master of Arts minors and majors are arranged on application.

For graduate study in Rhetoric the student should have completed at least courses 1 and 2 or their equivalent with credit.

SECOND MINOR: Two courses—at least four hours.

FIRST MINOR: At least eight hours.

MAJOR: Twelve hours and a thesis.

COURSES

PRIMARILY FOR UNDERGRADUATES

REQUIRED

1. **Rhetoric and English Composition**—This and course 2 are required of all Freshmen in the College of Arts and Sciences, the College of Agriculture, and the College of Engineering. Drill in the essentials of English prose. Frequent themes, conferences. Two hours attendance. Two hours credit. First and second semesters.

HEAD PROFESSOR FRYE,

ADJUNCT PROFESSOR FORD, ADJUNCT PROFESSOR GASS,

MISS MCPHEE, AND ASSISTANTS

2. **Rhetoric and English Composition**—1 continued. First and second semesters.

5. **English Composition**—This and course 6 are required of all Sophomores in the College of Agriculture. Expository writing. Three hours attendance. Three hours credit. First semester.

HEAD PROFESSOR FRYE

6. **English Composition**—5 continued. Second semester.

ELECTIVE

NOTE—Having finished courses 1, 2, the student wishing further training in composition normally elects either courses 3, 4 (Exposition) or courses 13, 14 (Argumentation).

3. **English Composition**—1, 2 continued. Practice in general expression. Intended to give the student some control over his own thought and some facility in its presentation. Examples from the English essays. Two hours attendance. Two hours credit. First semester. HEAD PROFESSOR FRYE AND MISS MCPHEE

4. **English Composition**—3 continued. Second semester.

23. **Newspaper Writing**—Practical course in writing, under criticism, for the press. Reporting, editing, editorial writing. Prerequisite: courses 1, 2. Two hours attendance. Two hours credit. First semester. ADJUNCT PROFESSOR GASS

24. **Newspaper Writing**—23 continued. Magazine exposition. Second semester.

25. Narration—Practical course in prose narrative writing with particular attention to the short story. Masterpieces of Maupassant, Poe, Hawthorne, Stevenson, Kipling, etc. For students who have already shown some skill in composition. Admission by consent of instructor. Prerequisite: courses 1, 2. Two hours attendance. Two hours credit. First semester. **ADJUNCT PROFESSOR FORD**

26. Narration—25 continued. Second semester.

[27. Play-Writing—Dramatic construction. Analysis of representative plays. Modern English and French drama; practice in plot, dialogue, characterization, etc. For students who have special aptitude. Admission by consent of the instructor. Prerequisite: courses 1, 2. Three hours attendance. Three hours credit. First semester. **ADJUNCT PROFESSOR FORD]**

Not given in 1909-1910.

[28. Play-Writing—27 continued. Second semester.]

FOR UNDERGRADUATES AND GRADUATES

7. English Composition—Advanced course. Studies in style and structure on the basis of the English essay. Daily and fortnightly themes. Weekly readings and reports to illustrate the principles of English prose literature. Courses 7, 8 are required for the University Teachers' Certificate in Rhetoric and English Composition. Prerequisite: Courses 1, 2. Two hours attendance. Three hours credit. First semester. **HEAD PROFESSOR FRYE**

8. English Composition—7 continued. Second semester.

9. Writers' Course—Intended for advanced students who wish to improve their writing in connection with some particular subject of study or inquiry. No classes; themes, criticism and conferences. The student is expected to propose a subject, to prepare a theme, and to submit it to the instructor for criticism and advice with a view to revision and improvement. Two hours credit. First semester. **HEAD PROFESSOR FRYE**

10. Writers' Course—9 continued. Second semester.

[11. The Essay—Advanced course in composition. Masterpiece of didactic and personal essay. Lectures, frequent themes, personal conferences. Prerequisite: Courses 1, 2. Two hours attendance. Two hours credit. First semester. **PROFESSOR FOGG]**

Not gives in 1909-1910.

[12. **The Essay**—11 continued. Second semester.]

13. **Argumentation**—1, 2 continued. Principles of argumentative composition. Text-book, lectures, illustrations, frequent writing, conferences; gathering of material; analysis; evidence; structure—brief-drawing; ethics of discussion. Briefs and arguments on questions of general or college interest or from the student's work in other departments. In the second semester a thesis, for which the training in the first semester directly prepares, may be substituted. Courses 13, 14 are required for the University Teachers' Certificate in Rhetoric and English Composition. Two hours attendance. Three hours credit. First semester.

PROFESSOR FOGG AND ASSISTANTS

14. **Argumentation**—13 continued. Second semester.

15. **Debate**—Introductory course. Principles of argumentation practically applied to oral discussion of economic, ethical, historical, political, and sociological questions. Weekly debates, preceded by briefs, in which each member takes part three times as principal speaker. The debates are criticised before the entire class. Open to students who have completed course 13 with credit and to others by special consent. May be taken twice with credit. Two consecutive hours attendance. Three hours credit. First semester.

PROFESSOR FOGG AND PROFESSORS CALDWELL,
FLING, FRENCH, HOWARD, AND TAYLOR

16. **Debate**—15 continued. Open to students who have completed 13 or 15 and to others by consent of the instructor. Second semester.

17. **Debate**—Advanced course. Further training in investigation and oral discussion. Debates. Each member takes part three times as principal speaker and three times as speaker from the floor. Conducted as course 15. Open to students who have completed 13 and 15 or 16. May be taken twice with credit. Admission by consent of instructor. Two consecutive hours attendance. Three hours credit. First semester.

PROFESSOR FOGG AND PROFESSORS CALDWELL,
FLING, FRENCH, HOWARD, AND TAYLOR

18. **Debate**—17 continued. Second semester.

19. **Public Address (Exclusive of Debate)**—Practical training in the composition of the public address not strictly argumentative. Practice in writing and rewriting for definite audiences, the committee report, deliberative oration, and occasional address—eulogy and commemorative and platform address. Emphasis in persuasion and literary form, supplementing the course in argumentation and debate. Burke, Erskine, Webster, Lincoln, Phillips, Beecher, Curtis, and contemporary public speakers. Readings; conferences. Prerequisite: courses 1, 2. To have taken or to be taking Course 13 is advantageous. Two or three hours attendance. Three hours credit. First semester.

PROFESSOR FOGG

20. **Public Address (Exclusive of Debate)**—19 continued. Second semester.

22. **Debate**—Second advanced course. Training of a more systematic kind. Original research. Open only to those students who have attained some excellence in argumentation and debate. Membership limited to twenty. May be repeated with credit. Attendance to be arranged. Credit varies with the work done. Second semester.

PROFESSOR FOGG

29. **The Nineteenth Century Essay**—Principles of English composition as illustrated by selected works of masters of modern English prose—Jeffrey, Hazlitt, Macaulay, Lamb, De Quincey, Carlyle, Ruskin, Arnold, Newman, and Stevenson. Frequent themes; personal criticism. Prerequisite: courses 1, 2. Two hours attendance. Two hours credit. First semester. PROFESSOR FOGG

30. **The Nineteenth Century Essay**—41 continued. Second semester.

32. **The Teaching of Rhetoric and English Composition (Teachers' Course)**—Aims and methods of secondary-school instruction in rhetoric and English composition. General principles of composition. Discussion of text-books; themes. Observation and study of methods employed in various courses in the department. The management of theme courses. Practice in correcting themes. Open to Juniors, Seniors, and graduates. Required of candidates for the University Teachers' Certificate in Rhetoric and English Composition. One hour lecture; three hours reading and observation. Two hours credit. Second semester.

HEAD PROFESSOR FRYE, PROFESSOR FOGG

33. **Comparative Literature**—A comparative study of the drama—Greek, Spanish, French, and English. Mainly a reading course, controlled by reports, critiques, and lectures. Intended to give the students some sort of foundation for the critical appreciation of literature. A reading knowledge of French is indispensable. Admission by consent of the instructor. Two hours attendance. Three or four hours credit. First semester.

HEAD PROFESSOR FRYE

34. **Comparative Literature**—33 continued. Second semester.

READING AND ELOCUTION

ADJUNCT PROFESSOR HOWELL

The following courses provide training in oral English. Individuality is emphasized; imitation is discouraged:

PRIMARILY FOR UNDERGRADUATES

35. **Reading and Speaking**—The aim is to secure naturalness and sincerity in reading and speaking, to preserve the individuality of the student, and to obtain freedom from self-consciousness. Special attention to voice culture, correct articulation and definite gesture. Analysis and vocal interpretation of selections from orators, essayists, dramatists, and poets. Class recitals. Three hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR HOWELL

36. **Reading and Speaking**—35 continued. Second semester.

37. **Dramatic Interpretation**—Advanced study of voice culture, impersonation, pantomime, and gesture. Interpretation of various kinds of dramatic discourse—prose and poetry. Critical study of Shakespearean plays—*Macbeth*, *The Merchant of Venice*. Analysis of plot, character, and incidents. Dramatic presentation of principal scenes before the class. Prerequisite: courses 35, 36. Three hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR HOWELL

Alternates with 37a. Not given in 1910-1911.

38. **Dramatic Interpretation**—37 continued. Second semester.

- [37a. **Dramatic Interpretation**—Course 37 with change of plays. Critical study of *Hamlet*, *As You Like It*, *The Rivals*; and some

modern play. Prerequisite: courses 35, 36. Three hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR HOWELL]

Not given in 1909-1910. Alternates with courses 37, 38.

[37*b*. **Dramatic Interpretation**—37*a* continued. Second semester.]

[39. **Reading and Interpretation (Advanced Course)**—A study of the oral interpretation of masterpieces of literature. Lectures on vocal technique. Each member of the class is required to interpret various kinds of selections for a program—one strongly dramatic narrative selection, one humorous, and one scene from the classic or modern drama—which material is chosen to give the strongest personal development and also to serve as a usable repertoire. Criticism on delivery of after-dinner and other forms of extemporaneous address. Monthly reports on books of reference. Each student is required to give a lecture on the technique of voice culture, on gesture, and the methods of teaching reading and their application to grade, high-school, and college work. Admission by consent of instructor. Public recitals. Two hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR HOWELL]

Not given in 1909-1910.

[40. **Reading and Interpretation (Advanced Course)**—39 continued. Second semester.]

41. **Public Speaking**—Intended especially for students who wish to prepare themselves for public speaking—debate and other forms of public address. Its object is to assist the student in acquiring an effective oral style—clear, direct, simple. Text-book, individual drill. Special attention to voice and gesture. Practice in various forms of extemporaneous speaking. Critical work in the delivery of one original oration each semester. Membership limited to fifteen. Admission by consent of the instructor. Three hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR HOWELL

42. **Public Speaking**—39 continued. Second semester.

ROMAN HISTORY AND LITERATURE

HEAD PROFESSOR BARBER, ASSISTANT PROFESSOR SANFORD,
ADJUNCT PROFESSOR HUNTER

The instruction aims to impart an understanding of the principles of the language through a study of its development and wide reading in the literature. The intention is to lead the student to build up his grammatical knowledge and to master the laws of the language from his own reading.

The instruction is not confined to linguistic and literary lines solely. The character and institutions of the Roman people are also studied with the view of leading students to an understanding of the ancient Roman civilization and its bearing on modern life.

The required courses for the Teachers' Certificate in Latin as a major are, 1, 2, 3, 4, 5, 6, 7 and 8. Equivalent work in the department may be substituted for 5 and 6 upon consultation with the head. The above courses must be preceded by the four years high school preparation, including composition, one period per week for two years and a thorough drill in the grammar. Students found to be defective in preparation may be required to take Course F in addition to the above.

In connection with this department is maintained a Latin Club of advanced students elected on the basis of scholarship. Monthly meetings are held devoted to the reading of papers, choice passages of Roman literature, discussions, and Latin conversation. Eighty per cent. of the dues are set aside for the purchase of some permanent memorial for the department.

REQUIREMENTS

MASTER OF ARTS

Candidates for advanced degrees must have completed courses 1, 2, 3, and 4 or their equivalents. Graduate study should include courses 5, 6, 11, and 12, after which subjects may be selected from any courses open to graduates. The basis of requirement is as follows:

SECOND MINOR: Three hours of class-room work for one year.

FIRST MINOR: Six hours of class-room work for one year.

MAJOR: Six hours of class-room work and the equivalent of four hours in the preparation of a thesis.

COMPLETE COURSE: Nine hours of class-room work and the equivalent of six hours in the preparation of a thesis.

These may be prepared on any of the following subjects: the satirists, the Roman drama, Roman history, elegiac poetry, poetry of the empire, prose of the empire, sermo plebeius, patristic literature. By special arrangement, a thesis may be prepared on some question of syntax covering the whole literature.

FOR UNDERGRADUATES

To enter course A the student must have had four books of Caesar with Latin composition. To enter Course 1 the student must have completed Courses A, B, C, and D.

Courses A and B give the student two preparatory credit "points" or six hours of college credit. Courses C and D two preparatory credit "points" and two hours of college credit, or ten hours of college credit.

COURSES

A. **Cicero**—Three orations; Latin composition, drill in syntax. In written exercises the long vowels are marked. Three hours attendance. Three hours credit. First semester.

ADJUNCT PROFESSOR HUNTER

B. **Cicero**—A continued. Second semester.

C. **Vergil**—Three books of the *Aeneid*. Drill in prosody, case and verb construction, and poetic expressions. Five hours attendance. Five hours credit. First semester.

ADJUNCT PROFESSOR HUNTER

D. **Vergil**—Three books of the *Aeneid*. Ovid's *Metamorphoses*. Two books. Drill as in C. Metrical reading of hexameters at sight. Practical examination of tense uses. Literary art of Vergil. Five hours attendance. Five hours credit. Second semester.

ADJUNCT PROFESSOR HUNTER

E. **Practical Course in Latin Syntax**—Practical drill in the principles of Latin Syntax, preparatory to rapid and accurate reading. Two hours attendance. Two hours credit.

ADJUNCT PROFESSOR HUNTER

F. **Practical Course in Latin Syntax**—E continued. Special practice in translating long paragraphs of connected discourse.

1. **Cicero**—*de Senectute* with Latin composition. Drill in the syntax of moods and tenses; special attention to the classification of sub-

ordinate clauses. Four hours attendance. Four hours credit. First semester.

HEAD PROFESSOR BARBER, ADJUNCT PROFESSOR HUNTER

2. **Livy**—Books XXI and XXII. Practice at sight reading. Study of moods and tenses and of subordinate clauses continued. Four hours attendance. Four hours credit. Second semester.

HEAD PROFESSOR BARBER, ADJUNCT PROFESSOR HUNTER

3. **Horace**—Selected Odes, Epodes, Satires, Epistles and *Ars Poetica*. A few passages memorized; occasional summaries; a brief view of social life in Horace's time; prosody. Four hours attendance. Four hours credit. First semester.

ASSISTANT PROFESSOR SANFORD

4. **Plautus and Terence**—*Captivi* and *Adelphoe*. A brief introduction to Roman drama; prosody. Tacitus' *Agricola* and *Germania*. The *Germania* studied for its bearing on the customs and laws of modern German peoples. Four hours attendance. Four hours credit. Second semester.

ASSISTANT PROFESSOR SANFORD

43. **Teachers' Course**—Lectures on methods of teaching Latin and on subject matter often overlooked. Model reading of sub-freshman authors. Courses 43 and 44 may be taken in lieu of two hours in general methods in the department of Education. One hour attendance. One hour credit. First semester.

HEAD PROFESSOR BARBER

44. **Teachers' Course**—43 continued. Second semester.

49. **Roman Oratory**—General survey of the development of Roman oratory from the earliest period. Detailed study of the structure of speeches, methods of delivery and effectiveness. Types of oratory employed at funerals, before armies, in the senate and forum. Lectures and reports. Two hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR HUNTER

50. **Roman Oratory**—49 continued. Special reference to oratory in the last days of the republic. Second semester.

FOR UNDERGRADUATES AND GRADUATES

5. **Suetonius**—Lives of Julius and Augustus Cæsar. Sight reading. Talks upon Roman life. Papers by the class. Two hours attendance. Two hours credit. First semester.

HEAD PROFESSOR BARBER

6. **Pliny and Juvenal**—Selected letters. Selected satires. Reading from hearing. Collateral readings on Roman social life. Two hours attendance. Two hours credit. Second semester.

HEAD PROFESSOR BARBER

7. **Roman Archæology**—Following are some of the subjects treated: Amphitheaters, aqueducts, arches, architecture, basilicas, bath houses, building materials, catacombs, circi, columns, fortifications, fora, methods of building, ruins, temples, theatres, topography, walls, war implements. Lectures illustrated with lantern slides. Papers are required of students on special topics. One hour attendance. One hour credit. First semester.

HEAD PROFESSOR BARBER

8. **Roman Antiquities**—Public and private life of the Romans; dress and ornaments, household furniture, kitchen utensils, museums; manuscripts, pottery and vases, private houses, public buildings, sculpture, Vesuvius, Pompeii, and Herculaneum, wall decorations. Lectures illustrated with lantern slides. Papers as in course 7. One hour attendance. One hour credit. Second semester.

HEAD PROFESSOR BARBER

9. **Cicero's Letters**—Selections arranged to throw light upon life and time of Cicero. Lectures on the style of the letters. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR SANFORD

- [10. **Quintilian**—Book X and selections from Book XII. Books I and II assigned for collateral reading as showing the educational methods in the first century A. D. Two hours attendance. Two hours credit. Second semester.

ASSISTANT PROFESSOR SANFORD]

Given in 1910-1911 and alternate years.

11. **Composition**—A brief, illustrated review of the syntax of noun and verb, followed by practice in connected Latin writing. One hour attendance. One hour credit. First semester.

ASSISTANT PROFESSOR SANFORD

12. **Composition**—11 continued. Second semester.

13. **Latin Grammar**—An elementary course in historical development of Latin moods. Lectures. One hour attendance. One hour credit. First semester.

HEAD PROFESSOR BARBER

14. **Latin Grammar**—13 continued. Second semester.

[15. **Plautus and Terence**—Course in rapid reading of seven or eight plays. Lectures on history of Roman drama. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR SANFORD]

Given in 1910-1911 and alternate years.

16. **Cicero**—Tusculan Disputations, Book I, studied with reference to Roman ideas concerning immortality. Selections from Lucretius, Seneca, and Buecheler's *Carmina Latina Epigraphica*. Two hours attendance. Two hours credit. Second semester.

ASSISTANT PROFESSOR SANFORD

Given in 1909-1910.

17. **History of Roman Literature**—Lectures, with selections from representative authors. One hour attendance. One hour credit. First semester.

ASSISTANT PROFESSOR SANFORD

18. **History of Roman Literature**—17 continued. Second semester.

21. **Latin Morphology**—Latin in its relation to the other languages of the Aryan group. Sounds and their combinations, accent, and principles of word formation and derivation. Survey of the great laws of linguistic growth and change as illustrated in Latin. Lectures and readings. One hour attendance. One hour credit.

ADJUNCT PROFESSOR HUNTER

22. **Latin Morphology**—21 continued with historical study of the development of Latin. Second semester.

27. **Vergil**—Selections from the *Eclogues*, *Georgics*, and Books VII-XII of the *Aeneid*, rapid reading course, of particular interest to prospective teachers of Latin. Special topics assigned for investigation by members of the class. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR SANFORD

Given in 1909-1910 and alternate years.

28. **Ovid**—Selections from the *Heroides*, *Amores*, *Fasti*, *Metamorphoses*, and *Tristia*, a companion course to 27. Two hours attendance. Two hours credit. Second semester.

ASSISTANT PROFESSOR SANFORD

Given in 1909-1910 and alternate years.

29. **Tacitus**—Selections from the Annals and Histories, treated as a basis for the history of the Empire from 14 to 70 A. D. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR SANFORD

Given in 1909-1910 and alternate years.

30. **Martial**—Selected Epigrams, in illustration of Roman life under the early Empire. Two hours attendance. Two hours credit. Second semester.

ASSISTANT PROFESSOR SANFORD

Given in 1909-1910 and alternate years.

- [31. **The Elegiac Poets**—Selections from Catullus and Tibullus. Lectures on the history of Roman elegiac poetry. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR SANFORD]

Given in 1910-1911 and alternate years.

32. **The Elegiac Poets**—Selections from Propertius and Ovid. 32 continued. Second semester.

33. **Cena Trimalchionis**—This social novel studied with reference to Romance languages, but especially to popular speech (*sermo plebeius*) and customs of the times. One hour attendance. One hour credit. First semester. ASSISTANT PROFESSOR SANFORD

Given in 1909-1910 and alternate years.

34. **Cena Trimalchionis**—33 continued. Second semester.

35. **Roman Religion and Mythology**—A lecture course. Occasional papers and reports by members of the class. One hour attendance. One hour credit. First semester.

ASSISTANT PROFESSOR SANFORD

36. **Roman Religion and Mythology**—35 continued. Second semester.

37. **Roman Law**—Reading of selections from the public and private law of the Romans, accompanied by lectures. One hour attendance. One hour credit. First semester.

HEAD PROFESSOR BARBER

38. **Roman Law**—37 continued. Second semester.

47. **Roman History**—From the earliest times throughout the early Empire. Primarily for those preparing to teach Latin in secondary

schools. Text-book. History of Roman political institutions. Last century of the republic and reign of Augustus studied in greater detail than other periods. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR SANFORD

48. **Roman History**—47 continued. Second semester.

PRIMARILY FOR GRADUATES

[19. **Lucretius**—Books I and III, with an examination into modal uses of the remaining books. Two hours attendance. Two hours credit. First semester. HEAD PROFESSOR BARBER]

Given in 1910-1911 and alternate years.

[20. **Cicero**—*de Oratore*, Book I, with an examination into modal uses in Cicero's essays. Two hours attendance. Two hours credit. Second semester. HEAD PROFESSOR BARBER]

Given in 1910-1911 and alternate years.

23. **Latin Palæography**—A study of Latin manuscripts. One hour attendance. One hour credit. ASSISTANT PROFESSOR SANFORD

Given in 1909-1910 and alternate years.

24. **Roman Epigraphy**—Study of select inscriptions. One hour attendance. One hour credit. Second semester.

ASSISTANT PROFESSOR SANFORD

Given in 1909-1910 and alternate years.

25. **Seminary**—Special study of the syntax of the verb. Topics are assigned to students to investigate through the whole range of the literature. Two hours attendance. Two hours credit. First semester. HEAD PROFESSOR BARBER

Given in 1909-1910 and alternate years.

26. **Seminary**—25 continued. Second semester.

45. **The Personal and National Characteristics of the Roman People**—Lectures. Papers by the students. One hour attendance. One hour credit. First semester. HEAD PROFESSOR BARBER

Given in 1910-1911.

46. **The Personal and National Characteristics of the Roman People**—45 continued. Second semester.

ROMANCE LANGUAGES AND LITERATURES

PROFESSOR CONKLIN, ADJUNCT PROFESSOR KORSMEYER, MISS REESE,
MISS GORDON, FELLOW

General undergraduate work enables the student to read modern and classical French with critical accuracy and appreciation.

Special undergraduate work provides for extended literary study in French, for practical drill in writing and speaking French and for the study of Italian and Spanish. Advanced students may, with the consent of the head of the department, avail themselves of the instruction offered in the Graduate College.

For the Teachers' Certificate the following courses, or equivalents, are required:

FOR MAJOR: Courses 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 27, 28.

FOR MINOR: Courses 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.

REQUIREMENTS**MASTER OF ARTS**

For graduate study in Romance languages at least three years of French are necessary. For the courses in the following groups equivalents are accepted.

PHILOLOGICAL GROUP

SECOND MINOR: Old French, historical French grammar, Italian, or Spanish.

FIRST MINOR: Requirements for second minor and further study of Old French and of Italian or Spanish.

MAJOR: Old French, historical French grammar, Italian, and Spanish, advanced course in either Italian or Spanish, Provencal, Romance phonetics.

LITERARY GROUP

SECOND MINOR: Studies of different periods in French literature, Italian, or Spanish.

FIRST MINOR: Studies of different periods in French literature, Italian, and Spanish, or advanced course in Italian or Spanish, Old French.

MAJOR: French writing and speaking; studies of different periods in French literature; Italian and Spanish, advanced course in either Italian or Spanish, Old French, historical French grammar, special readings.

COURSES

PRIMARILY FOR UNDERGRADUATES

FRENCH

1. **French**—Introductory course. Five hours attendance. Five hours credit. First semester. PROFESSOR CONKLIN,
ADJUNCT PROFESSOR KORSMEYER,
MISS REESE
2. **French**—1 continued. Second semester.
3. **French**—Second-year course. Advanced reading. Three hours attendance. Three hours credit. First semester. PROFESSOR CONKLIN,
ADJUNCT PROFESSOR KORSMEYER,
MISS REESE
4. **French**—3 continued. Second semester.
5. **French Writing and Speaking**—Must be taken with 3. Two hours attendance. Two hours credit. First semester.
PROFESSOR CONKLIN, ADJUNCT PROFESSOR KORSMEYER
6. **French Writing and Speaking**—5 continued. Must be taken with 4. Second semester.
7. **Classical Authors**—One hour attendance. One hour credit. First semester. MISS REESE
8. **Classical Authors**—7 continued. Second semester.
9. **Romantic School**—Two hours attendance. Two hours credit. First semester. ADJUNCT PROFESSOR KORSMEYER
10. **Romantic School**—9 continued. Second semester.
11. **French Writing and Speaking**—Advanced course. Two hours attendance. Two hours credit. First semester. PROFESSOR CONKLIN
12. **French Writing and Speaking**—11 continued. Second semester.
13. **Modern French Drama and Novel**—One hour attendance. One hour credit. First semester. PROFESSOR CONKLIN
14. **Modern French Drama and Novel**—13 continued. Second semester.

FOR UNDERGRADUATES AND GRADUATES

15. **Studies of Different Periods in French Literature**—Prerequisite: Courses 7, 8, 9, 10, or equivalent work. Two hours attendance. Two hours credit. First semester. PROFESSOR CONKLIN

16. **Studies of Different Periods in French Literature**—15 continued. Second semester.

ITALIAN

19. **Italian**—Introductory course. Three hours attendance. Three hours credit. First semester. ADJUNCT PROFESSOR KORSMEYER
20. **Italian**—19 continued. Second semester.
21. **Italian**—Second-year course. Two hours attendance. Two hours credit. First semester. ADJUNCT PROFESSOR KORSMEYER
22. **Italian**—21 continued. Second semester.

SPANISH

23. **Spanish**—Introductory course. Three hours attendance. Three hours credit. First semester. PROFESSOR CONKLIN
24. **Spanish**—23 continued. Second semester.
25. **Spanish**—Second-year course. Two hours attendance. Two hours credit. First semester. PROFESSOR CONKLIN
26. **Spanish**—25 continued. Second semester.

PRIMARILY FOR GRADUATES

FRENCH

27. **Old French**—Grammar and reading. Two hours attendance. Two hours credit. First semester. PROFESSOR CONKLIN
28. **Old French**—27 continued. Second semester.
29. **French Philology**—Historical French grammar, phonetical analysis of French words. One hour attendance. One hour credit. First semester. PROFESSOR CONKLIN
30. **French Philology**—29 continued. Second semester.

PROVENÇAL

33. **Grammar, Reading, and Analysis**—One hour attendance. One hour credit. First semester. PROFESSOR CONKLIN
34. **Provençal Literature**—Second semester.

ROMANCE PHONETICS

35. **Comparative Phonetics of Italian, Spanish, French and Provençal**—Lectures. One hour attendance. One hour credit. First semester. PROFESSOR CONKLIN
36. **Comparative Phonetics of Italian, Spanish, French and Provençal**—35 continued. Second semester.

DEPARTMENT OF SLAVONIC

Acting Head and Instructor, Šárka Hrbkova.

COURSES IN BOHEMIAN

1. **Beginners' Course.**—Grammar, vocabulary, exercises, word structure. Selected readings from Reader. Five hours attendance. Five hours credit. First semester.
2. **Beginners' Course.**—1—continued. Grammar continued. Conversation. Reader completed. Selections from Erben's "Pověsti" and from the "Pohádky" by Božena Němcová. Five hours attendance. Five hours credit. Second semester.
3. **Bohemian Literature.**—"Babička" by Božena Němcová, Jan Neruda's "Výbor básní," Svatopluk Čech's "Jestřáb Contra Hrdlička." Three hours attendance. Three hours credit. First semester.
4. **Bohemian Literature.**—3—continued. Alois Jirásek's "Filosofská Historie," Jaroslav Vrchlický's "Rok na Jihu," Fr. Čelakovský's "Ohlasy." Three hours attendance. Three hours credit. Second semester.
5. **Bohemian Literature.**—Study and interpretation of Rubeš's "Humoresky," Havlíček's "Tyrolské Elegie" and "Epigramy," Hálek's "Pod Dutým Stromem." One to three hours attendance. One to three hours credit. First semester.
Not given in 1909-1910.
6. **Bohemian Literature.**—5—continued. Study and interpretation of Čech's "Básně," Tyl's "Strakonický Dudák," shorter works of Machar, Herrman, Neruda. One to three hours attendance. One to three hours credit. Second semester.
Not given in 1909-1910.
7. **Bohemian Literature.**—Svatopluk Čech's "Písně Otroka" and "Povídky a Arabesky," "Romanetta" by Arbes, Hálek's "V Přírodě." One to three hours attendance. One to three hours credit. First semester.

8. **Bohemian Literature.**—7—continued. Neruda's "Malostranské Povídky," Kollár's "Slávy Deera," Modern Lyrics and Ballads, reports on Machar, Třebízský, Herrman. One to three hours attendance. One to three hours credit. Second semester.
- 9-10. **History of Bohemian Literature.**—From the earliest time to the modern period. Based on Lutzow's "History of Bohemian Literature," Wratislaw's "The Native Literature of Bohemia in the Fourteenth Century," Pypin and Spasovič's "Historie Literatur Slovanských," Vlček's "Dějiny Poesie České," Hanuš "Literatura Česká Devatenáctého Století," Tiefftrunk, Jungmann, Morfil, Ninger. Two hours attendance. Two hours credit. First and second semesters. This course will not be given in 1909-1910 unless desired by a sufficient number of advanced students.
11. **Slavic Life.**—A lantern slide course of lectures (in English) covering subjects of customs, homes, occupations, costumes amusements, development of the arts and industries, of the Slavic nations. Written reports on assigned readings. One hour attendance. One hour credit. First semester. Will be repeated second semester.

UNIVERSITY EXTENSION

J. L. MCBRIEN, DIRECTOR

By means of University Extension, the Regents of the University of Nebraska desire to give every citizen of the commonwealth an opportunity to get the highest education possible at the least practical cost—to bring the University and the home in close touch, to take the University to all the people of the State. For convenience and efficiency the work is divided into four departments as follows:

- I. Correspondence-Study.
- II. Instruction by Lectures.
- III. Debating and Public Discussion.
- IV. General Information and Welfare.

I. CORRESPONDENCE-STUDY

The possibility and efficiency of teaching by Correspondence-Study has already been demonstrated by practical experience in University Extension work in the leading universities and colleges of both Europe and America. While such instruction lacks some of the advantages which resident study gives, it has compensating advantages of its own. In correspondence instruction the teaching is personal and individual. Every student studies and recites the whole lesson, and comes in contact by correspondence with the teacher as an individual, not as a member of a large class. Correspondence-Study employs the spare time of the student, gives him an interest beside his daily work. It can be done at home, and thereby brings into the home a new influence and charm. Correspondence work, moreover, throws the student upon his own resources and makes him self-reliant and self-determining.

Through this new department, the University is reaching out a helping hand to every citizen. It plans to add to the resources of life, of education and of industry; to give practical assistance to the farmer and the mechanic, to the professional man and the business man, to the employer and the employee, to teacher and to student, to farmer boy and farmer girl, to housekeeper and home-maker.

For all who desire to take Correspondence-Study the University of Nebraska, through its Extension Department, is able to offer:

First—A Correspondence Course of Study in all of the subjects required for County and State Certificates. The final examination of those taking the special course for teachers will be under the rules and regulations governing the certification of teachers in Nebraska.

Second—A Correspondence Course of Study for University credit, including work in as many Departments of the University as may be equipped to undertake the work at this time, and ultimately in every Department of every College of the University, will be offered. Only a certain portion of the unit hours required for graduation from the University may be taken in Correspondence-Study, but teachers or other students who have the proper entrance requirements, who cannot enter University classes except during vacation, may acquire the remaining portion of their credit by attending Summer School sessions. (See Foot Note No. 1.) No credit will be recorded on the University books, however, until the student has accomplished satisfactorily the required amount of work in residence. It is also provided that all credits thus

earned, shall be subject to the same provisions as are made in the University of Nebraska, subject to the action of the Committee on Accredited Schools or the Committee on Advanced Standing, as the case may require.

METHOD OF WORK AND INSTRUCTION—Lists of books, assignments for reading and all necessary assistance will be furnished throughout the course so that no student will be left without adequate aid and guidance.

For each week's lesson a mimeographed outline, with references and questions, will be furnished.

From readings, student will make written answers to questions and mail them to the Bureau not later than the Monday morning following. Occasional outlines, narratives, and maps will also be called for at appropriate times during the course. The work will be criticised, marked, and returned not later than the end of the week in which received.

At least two and possibly four written tests will be required. Satisfactory grades on papers and tests will entitle student to credit for which he registered.

More detailed instructions will accompany the individual lessons.

EXPENSES AND FEES—The fees for Correspondence-Study will be put upon the lowest operating basis possible. The motive is public service. The cost for any course will be made known upon application as well as in a subsequent circular.

Foot Note No. 1. Only one-half of the unit hours required for graduation may be taken in Correspondence-Study, but teachers or other students who cannot enter university classes except during vacations, may acquire the remaining half of their credit units by attending summer school sessions. No credit is recorded on the University books, however, until the student has accomplished satisfactorily an equivalent amount of work in residence.—Wisconsin Rule.

INSTRUCTION BY LECTURES

Instruction by lectures is one of the most important features of University Extension work. In New York City courses of free lectures under the direction of the board of education have been exceptionally successful. For the school year 1906-7, 500 men and women through 5,500 lectures uttered their messages of uplift, of information, of in-

spiration and of direction in 160 different places through the city to an audience that reached a total of over 1,100,000. In 1907-8 the audiences numbered over 1,500,000, and the work cost the city \$150,000.

The value of such a lecture course cannot be measured in dollars and cents. The veteran prince of lecture bureau managers, Major Pond, in his memories of the lecture platform, says: "On it the greatest readers, orators, and thinkers have stood. On it reform has found her noblest advocates, literature her finest expression, progress her bravest pleaders, and humor its happiest translations. Some of the most gifted, most highly educated, and warmest-hearted men and women of the English-speaking race have given their best efforts to it and by their noble utterances have made it not only historic but symbolic of talent, genius, education and reform."

While the University of Nebraska has no fund for a state wide free lecture course, it is able to offer, through the University Extension Department, first class musical and lecture talent at the most reasonable terms ever made to the people of the state. The Extension Department will endeavor to place a lecture course of three, five or seven numbers in as many of the 500 villages, towns and cities of the commonwealth during the year as possible.

DEBATING AND PUBLIC DISCUSSION

During the next biennium the Department of Debating and Public Discussion at the University will, through the University Extension Division, give valuable assistance in these lines of work to at least one hundred high schools of the state and an equal number of debating clubs composed of adult citizens—reaching a total number of at least 5,000 persons.

GENERAL INFORMATION AND WELFARE

The departments of history, political economy, sociology and the colleges of agriculture, law and medicine, will through the General Information and Welfare Department of University Extension, render valuable assistance to thousands of persons throughout the state.

University Extension is for the benefit of all the people and must be comprehensive both with reference to including the work of all departments of the University proper, so far as practicable, and in covering the widest possible range of study of all questions that con-

cern the people of the commonwealth. Its purpose is clearly set forth in Professor Caldwell's report to the Chancellor and Regents, made April 18, 1908:

"To investigate all problems—artistic, literary, historical, social, industrial, moral, political, educational,—problems of sanitation, city lighting, sewerage; banking, crises, money, divorces, etc.—in fine, all problems that may concern the citizens of Nebraska."

For further information relative to any question concerning University Extension work, write the Director of University Extension, Station A, Lincoln, Nebraska.

ZOOLOGY

HEAD PROFESSOR WARD, PROFESSOR WOLCOTT, PROFESSOR WILLARD, ASSOCIATE PROFESSOR BARKER, ASSOCIATE PROFESSOR POWERS,
MR. LA RUE, MR. NEWTON, MR. LEAMER, MR. JOHNSON

The general introductory course, Zoology 1, 2, is open to all students; attention is called to the advantage of combining with this work courses 1 and 2 in Botany if the latter have not already been completed. German 3*b* is very valuable in connection with the work of the second year in zoology. The ability to read German and French is of great advantage in all courses of the department and is required in all graduate work.

Courses 1 and 2 or their equivalent are required for all courses except 8*a*, 30, 31 and 43. Courses 5 and 8 must precede all subsequent work, except in the case of students in the course in physical education who are given permission to take courses 11 and 12 in the second year. Course 9 must also precede course 10. Assigned reading is required in connection with most of the courses offered.

FACILITIES FOR GRADUATE STUDY

The department has one laboratory devoted exclusively to research students, and also a photographic room, aquarium, and a small live-house available for investigational purposes. The supply of apparatus includes, among other things, apochromatic lenses, Zeiss and Leitz microscopes, Reinholt-Giltay, Minot and Thoma microtomes, Lillie and Naples paraffin baths, and all necessary subsidiary apparatus. A series of specimens from the Naples Zoological Station—one of injected tissues by Thiersch and embryological models by Ziegler and Dahlgren—are among the illustrative material,

The alcoholic specimens are particularly rich in aquatic forms and helminthological material. A number of rich collections of parasites invite investigations, and others from the alpine lakes of the western United States are also unique.

The library facilities are worthy of note. A departmental library of 2,500 volumes, mostly monographs and serials in zoology, is supplemented by a private collection of more than 3,000 numbers, chiefly pamphlets on helminthology and fresh water fauna. Both of these are adjacent to the research laboratory and freely accessible. The libraries of the College of Medicine, the Nebraska Experiment Station, and of allied departments, furnish many valuable series which may be consulted at will.

The publications of the departmental staff and of graduate students are included in a series entitled "Studies from the Zoological Laboratory," of which four volumes (Nos. 1-80) and part of a fifth (Nos. 81-93) have already been published and others are in preparation.

REQUIREMENTS

MASTER OF ARTS

To enter upon work for the degree of Master of Arts two years of undergraduate work in zoology and one in botany are required. Ability to read German and French is a necessity.

All graduates who offer zoology as a major or minor for an advanced degree find it to their advantage to confer with the head of the department as early as April the previous year. The courses required for a degree cannot be stated absolutely for all students. They differ especially in the case of candidates whose undergraduate work has been taken at other institutions. Courses must, in any event, be chosen under advice of the head of the department. Active participation in the work of the Journal Club (Courses 23, 24) for at least one full year is required of all who present themselves for advanced degrees. Ordinarily the requirements are as follows:

SECOND MINOR: Any three-hour course throughout the year, together with a one-hour course of assigned reading.

FIRST MINOR: A total of six hours throughout the year, together with a two-hour course of assigned reading.

MAJOR: The study of the local fauna, of parasites, or of animal morphology—a total of twelve hours work throughout the year, including a thesis and accompanied by a three-hour course in assigned reading.

COMPLETE COURSE: The time is spent on the study of the local fauna, of parasites, or of the morphology of any animal, together with a thesis and one course of assigned reading. In this case the topic assigned for the thesis is proportionally greater and requires more work than in the preceding case.

DOCTOR OF PHILOSOPHY

When zoology is chosen as a minor for the degree of Doctor of Philosophy, the work demanded approximates that of the complete course for the degree of Master of Arts. The growth of the department in equipment, especially as regards the library facilities, within the last few years, makes it possible to offer work in certain directions for this degree with zoology as a major. Particular information is furnished on consultation with the head of the department.

The Zoological Club of the University is an organization of graduate students which meets weekly under the leadership of the head of the department for the discussion of specific problems and topics assigned to various members.

COURSES

PRIMARILY FOR UNDERGRADUATES

1. **General Zoology**—For beginners and those wishing a general insight into methods and principles of the science. Lectures cover the general principles of morphology, physiology, development, distribution, classification and evolution of animals; laboratory work, an intensive study of types drawn from the Protozoa and simpler invertebrates, together with subsidiary cytological and embryological material. Three hours attendance. Four hours laboratory. Three hours credit. By proportionate increase in laboratory and in assigned reading, five hours credit. First semester.

ASSOCIATE PROFESSOR POWERS, MR. NEWTON, AND ASSISTANTS

2. **General Zoology**—1 continued. Second semester.

- A. **General Zoology**—For beginners and those who desire to complete a year's work in general zoology in one semester. This course covers the same field as courses 1 and 2. Five hours attendance. Eight hours laboratory. Five hours credit. Second semester.

ASSOCIATE PROFESSOR BARKER, MR. LEAMER, AND ASSISTANTS

- 8a. Comparative Osteology of the Vertebrates**—Origin and development of vertebrate skeleton and its various modifications with detailed laboratory study of human skeleton accompanied by drawing and modeling. Intended for those who plan to study medicine or physical education. Two hours attendance. Three hours laboratory. Two hours credit. Second semester.

PROFESSOR WOLCOTT

- 30. Ornithology**—Systematic ornithology; laboratory study of external form and structure, to enable the student to pursue observations upon our native birds. Morphological characters employed in classification; identification of museum material; recognition of birds in the field. One hour lecture, two hours laboratory or four hours field work. One hour credit. Second semester.

PROFESSOR WOLCOTT AND MR. DAUGHTERS

- 31. Forest Zoology**—Principles of zoology and animal forms; development, structure, physiology and general distribution with especial reference to those having some relationship to the forest. Particularly for students of forestry. Two hours attendance. Two hours laboratory. Two hours credit. First semester.

PROFESSOR WOLCOTT

- 32. Forest Zoology**—Life, history and habits of animals, exclusive of insects, which affect the forest. Methods of control. Prerequisite: Course 1. Two hours attendance. Two hours laboratory and field work. Two hours credit.

PROFESSOR WOLCOTT

- 43. Nature Study**—Lectures on life as expressed in our common animals and plants, the interaction between living things and their environment, adaptation to environment, struggle for existence and survival of the most fit; discussions of field work and problems; methods of collecting and correlating data by working out simple field problems; the making of apparatus for collecting; the care and preparation of materials for class demonstration; methods of presenting nature study in the schools. Designed to train the powers of observation, to aid in correct interpretation of the knowledge gained and to increase the appreciation and enjoyment of natural phenomena. Of special value to teachers. Two hours attendance. Four hours of field or laboratory work. Two hours credit. Second semester.

ASSOCIATE PROFESSOR BARKER

FOR UNDERGRADUATES AND GRADUATES

5. **Invertebrate Morphology**—Protozoa, Porifera, Coelenterata and Vermes. Methods of gross dissection and microscopical anatomy; introduction to microscopical technique. For the general student, yet those intending to study medicine will give special attention to groups of parasitic forms. Three hours attendance. Eight hours laboratory. Four hours credit. First semester.

ASSOCIATE PROFESSOR BARKER, MR. LEAMER

6. **Invertebrate Morphology**—Arthropoda, Mollusca and Echinodermata. Second semester.

Not given in 1909-1910.

8. **Comparative Anatomy of the Vertebrates**—Lectures cover entire group of vertebrates. Laboratory work includes the complete dissection of a fish, amphibian and reptile or bird, with demonstrations from preparations in other groups. Methods of preparing dissection material, injection of circulatory system. Three hours attendance. Eight hours laboratory. Four hours credit. Second semester.

PROFESSOR WILLARD AND ASSISTANTS

11. **Mammalian Anatomy**—Laboratory course on anatomy of cat. Two hours quiz. Six hours laboratory. Three hours credit. First semester.

PROFESSOR WOLCOTT

Given in 1909-1910.

12. **Mammalian Anatomy**—11 continued. Second semester.

25. **Anatomy and Physiology of the Cell**—Structure and activities of animal cell with practice in preparation of material for cytological study. Two hours attendance. Four hours laboratory. Two hours credit. First semester.

28. **Parasites of Man**—Various forms of entozoa chiefly and their relation to disease, with demonstrations and assigned collateral reading. Follows naturally course 5 and may also profitably be taken in conjunction with course 17 or 18. Two hours attendance. Two hours credit. With one laboratory period, three hours credit. Second semester.

HEAD PROFESSOR WARD

PRIMARILY FOR GRADUATES

15. **Fauna of Nebraska**—Some phase of the local fauna, either from systematic or from biological standpoint. Laboratory, field work

and occasional conferences. May be elected as a two to five hour study. First semester. HEAD PROFESSOR WARD

16. **Fauna of Nebraska**—15 continued. Second semester.

17. **Animal Parasites**—Structure, life history, or economic relations of animal parasites. Laboratory, field work and occasional conferences. May be elected as a two to five hour study. First semester. HEAD PROFESSOR WARD

18. **Animal Parasites**—17 continued. Second semester.

19. **Research Work in Animal Morphology**—Investigation of some assigned topic on structure or development of animals. May be elected as a five to ten hour study. Laboratory work with conferences and reading. First semester. HEAD PROFESSOR WARD

20. **Research Work in Animal Morphology**—19 continued. Second semester.

22. **History of Zoology**—Review of the development of subject and rise of zoological theories. Two hours attendance. Two hours credit. Second semester. HEAD PROFESSOR WARD

23. **Current Literature on Animal Morphology**—Reviews and discussion of recent publications according to assigned topics. Varies from year to year and may be elected repeatedly if desired. One hour attendance in evening. One hour credit. First semester. HEAD PROFESSOR WARD

24. **Current Literature on Animal Morphology**—23 continued. Second semester.

37. **Experimental Zoology**—A course in comparative physiology. Two to five hours credit.

HISTOLOGY, EMBRYOLOGY AND NEUROLOGY

9. **Vertebrate Histology**—Microscopic anatomy of higher vertebrates with especial reference to human histology. For students desiring some knowledge of histological technique course 25 may be taken in conjunction with 9. Two hours attendance. Eight hours laboratory. Four hours credit. First semester.

PROFESSOR WILLARD, MR. JOHNSON

10. **Vertebrate Embryology**—Lectures on general embryology. Laboratory course on development of frog, chick, and pig, with methods of graphic and plastic reconstruction. Two hours attendance. Four or eight hours laboratory. Two or three hours credit. Second semester.

PROFESSOR WILLARD, MR. JOHNSON

13. **Structure of the Central Nervous System**—Review of modifications exhibited by different vertebrate groups; more detailed study of human brain and cord, with such embryological and physiological data as give the students a clear conception of the structure, relationship and significance of the different parts of central nervous system. Two hours attendance. Three hours laboratory. Two hours credit. First semester.

PROFESSOR WILLARD

14. **Structure of the Sense Organs and the Peripheral Nerve Endings**—Similar in character to preceding course. Two hours credit. Second semester.

PROFESSOR WILLARD

25. **General Histology and Histological Methods**—Advanced. Supplementing course 9. Comparative study of special tissues by various methods with especial reference to their functional adaptation and physiological changes. The Epithelial Tissues. First semester. Occasional lectures. Four hours laboratory. Two hours credit. First semester.

PROFESSOR WILLARD

26. **General Histology and Histological Methods**—Same time and plan of work as Course 25. The Nervous Tissues. Second semester.

THE COLLEGE OF LAW

MEMBERS OF THE FACULTY

SAMUEL AVERY A.M., PH.D.

Chancellor and President of the University Senate

Administration Hall 101

* GEORGE PURCELL COSTIGAN, JR., A.M., LL.B.

Dean of the College of Law and Professor of Law

WILLIAM GRANGER HASTINGS, A.B.

Dean of the College of Law and Professor of Law.

University Hall 310

HENRY H. WILSON, A.M., LL.M.

Professor of Law

University Hall 308

EDWIN MAXEY, PH.M., D.C.L.

Professor of Public Law and Diplomacy

University Hall 308

ERNEST BANCROFT CONANT, A.B., LL.B.

Professor of Law

University Hall 308

* CHESTER GARFIELD VERNIER, A.B., J.D.

Professor of Law

University Hall 310A

SAMUEL JOHNSON TUTTLE, A.M., LL.B.

Professor of Law

Burr Block

CHARLES AUGUSTUS ROBBINS, PH.M., LL.B.

Professor of Law

Richards Block

JOHN JAMES LEDWITH, B.Sc., LL.B.

Instructor of Law

University Hall 310A

* Resigned.

ADDISON ERWIN SHELDON, A.M.

Director of the Legislative Reference Bureau;

Instructor in Contemporary Legislation

State House

GEORGE LOUIS DE LACY, LL.B.

Assistant Instructor of Law

University Hall 310A

ADDISON SEABURY TIBBETS, B.C.E.

Ex-Judge of the District Court; Lecturer on Professional Ethics

Richards Block

CLAUDE COPLEY FLANSBURG

Lecturer on Advocacy

Funke Building

WALLACE RUTHERFORD LANE, LL.B.

Lecturer on Patent, Copyright and Trade Mark Law

Des Moines, Ia.

THE COLLEGE OF LAW

As a place for study the modern law school has great superiority over the law office. Experience has shown that in the large majority of cases the preparation of those who study in law offices is very imperfect, both as to the work accomplished and as to the methods employed. Among law schools, moreover, those which form part of a university community offer many advantages in the way of free lecture courses, opportunities for pursuing kindred studies, general library facilities, students' societies and clubs not to be had in an independent law school or in a university law department which is located apart from the university's other schools and colleges. The College of Law of the University of Nebraska is a modern law school in the center of a large and growing university community.

ADMISSION TO THE COLLEGE OF LAW

The College of Law offers undergraduate courses leading to the degree of Bachelor of Laws. No distinction among students is made on account of sex or place of residence. Applicants for admission present themselves to the Registrar, who furnishes them with application blanks and directions for proceeding with their examinations, if any, for paying fees, and for completing registration.

Holders of state teachers' certificates and persons presenting diplomas or certificates from recognized universities and colleges in good standing or from accredited high schools, normal schools, and academies, are admitted without examination.

By enactment of the Nebraska Legislature no person may be admitted to the bar without "a preliminary education, other than legal, equivalent to that involved in the completion of the first three years of a high school course accredited by the state department of public instruction." The preliminary educational requirements for admission to the College of Law are much higher.

Candidates for admission to the College of Law should submit their entrance credentials at least one month in advance. To enter the first-year class in this college each candidate must present entrance "credits" for high school work equal to 28 "points" or a total of 140 recitation hours.

Announcement is made that on and after September 1, 1910, the requirements will be raised to 30 "points." Also, that on and after September 1, 1911, the requirements will be raised to one year of college work.

A "credit point" means the work in a high-school subject of five recitations a week, of not less than 40 minutes each, during a period of at least 18 weeks. Conditional admission is permitted on a minimum of 22 credit points or 110 recitation hours. A student admitted conditionally must remove the conditions at the earliest possible opportunity. The degree will not be granted until such conditions are removed. Persons unable to meet the entrance requirements may be admitted as special students, not candidates for the degree. Upon fulfilling the entrance requirements, such special students may register as regular students, and become candidates for the degree.

The requirements for entrance on certificate, or examination, or partly on certificate and partly on examination,

are given below. The time element indicated with each subject is essential.

REQUIRED SUBJECTS—10 Points

Algebra (to simultaneous quadratics), 1 year, 5 hours a week....	2
Geometry (plane), 1 year, 5 hours a week.....	2
History (American or general), 1 year, 5 hours a week.....	2
English (composition and literature), 2 years, 5 hours a week.....	4

* OPTIONAL SUBJECTS—18 Points

In addition to the above required subjects applicants must present evidence of preparation in work equal to 18 credit points to be chosen from the following optional list:

Agriculture, $\frac{1}{2}$ year, 5 hours a week.....	1
Algebra (simultaneous quadratics through logarithms), $\frac{1}{2}$ year, 5 hours a week.....	1
Bookkeeping, $\frac{1}{2}$ year, 5 hours a week.....	1
English, 1 year, 5 hours a week.....	2
French, 1 to 3 years, 5 hours a week.....	2 to 6
Geometry (solid), $\frac{1}{2}$ year, 5 hours a week.....	1
German, 1 to 3 years, 5 hours a week.....	2 to 6
Greek, 1 to 3 years, 5 hours a week.....	2 to 6
History, 1 or 2 years, 5 hours a week.....	2 to 4
Latin, 1 to 4 years, 5 hours a week.....	2 to 8
Natural science (botany, zoology), 1 year, 5 hours a week.....	1 or 2
Physical science (chemistry, physics), 1 year, 5 hours a week, each..	1 or 2
Trigonometry (plane), $\frac{1}{2}$ year, 5 hours a week.....	1
Astronomy	$\left\{ \begin{array}{l} \frac{1}{2} \text{ year, 5 hours a week, not more than} \\ 3 \text{ points accepted, each.....} \end{array} \right. 1$
Civics	
Geology	
Normal Training	
Physical Geography	
Physiology and Hygiene	
Political Economy	

*On September 1, 1910, the number of optional points required will be increased to twenty (20), thus making a total of thirty (30) points. At that time the following changes become effective among the optional subjects:

English, 1 or 2 years, 5 hours a week.....	2 to 4
Astronomy, civics, geology, normal training, physical geography, physiology and hygiene, political economy, senior reviews, $\frac{1}{2}$ year, 5 hours a week, not more than 3 points accepted....each	1

NOTE.—In preparing for entrance to the College of Law, students are urged to give their time chiefly to Latin, History, and English, since these subjects are found to be of especial value.

In no case will a candidate be admitted to the College of Law whose written composition is deficient in grammar, spelling, punctuation, and paragraphing.

REGISTRATION

Five days are allowed for the registration of students—from 9 a. m. Tuesday to 5 p. m. Saturday—for both the first and second semesters. Graduate students and city teachers may register at any time until the end of the week following the regular registration days.

Students are required to register promptly at the beginning of each semester. To promote prompt registration a special fee of \$3.00 is charged a student who, unless excused by the Chancellor, for any reason seeks to register later than the regular days set aside for this purpose. A like fee is charged for re-registration if made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration.

On or before June first of every year each undergraduate student is required to lodge in the office of the Registrar his proposed schedule of classes for the first semester of the year immediately following.

Students may not attend classes for which they are not registered, and credit is not given for studies pursued without registration. No student is permitted to change from this College to another without written permission of the Registrar signed by the Deans of the Colleges concerned. A student changing from this College to another must pay the regular matriculation fee of \$5 for entering that college.

Any change in a student's residence must be reported immediately to the Registrar.

Leave of absence for a brief period is granted a student by the Dean. This leave is merely a justification for the absence and is not an excuse from any work.

When a student in good and honorable standing finds it necessary to withdraw from the University before the close of the semester, the Registrar grants him, upon application, permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

STUDENTS' ADVISER

The Dean of the College is the students' adviser. He has daily consultation hours when students may call seeking advice and encouragement in their work.

ADVANCED STANDING

A credit hour is given for a subject carried one hour a week for a semester. Thus, CONTRACTS count six credits; TORTS, four credits, etc.

Applicants possessing the required preliminary education are admitted to advanced standing as follows:

TO THE SECOND-YEAR CLASS

1. Any person at least nineteen years of age who has attended for one year another law school having an approved course equivalent to the first-year course in this College and who upon examination obtains at least twenty-four credits.

2. Any person who has received the bachelor's degree from one of the general colleges of the University and has completed work in the College of Law equal to at least twenty-four credits.

TO THE THIRD-YEAR CLASS

Any person at least twenty years of age, who has attended for two years an approved law school, and who upon examination obtains a total of at least fifty credits.

The degree of Bachelor of Laws is not conferred on persons who have not attended approved law schools three years, including at least full attendance for the last year at this College.

CREDIT

At the discretion of the Dean credit may be given without examination for work satisfactorily completed at other approved law schools offering courses equal to those given in this school, but in no case will credit be given except upon presentation of a certificate for work in residence at an approved law school.

A student who has been allowed credit in any course, and who fails on any of the examinations which he has been required to take in other courses for which he has not been allowed credit, may be required to take any or all of the work for which credits have been allowed.

Students who apply for advanced standing on examination are charged an examination fee of \$10.

SPECIAL STUDENTS

Persons of suitable preliminary training, not candidates for the degree, may be admitted at any time without exam-

ination upon payment of the required fees. They must first make application to the Registrar as in the case of regular students. Persons preparing for the state bar examinations and business men not intending to practice law as a profession are admitted as such special students. The same diligence, industry, punctuality and proficiency are required of special students as of candidates for the degree. Students are not permitted to abuse this privilege of special registration by making it a means of securing merely nominal membership in the University, whether for social or athletic purposes or for any other reason.

COMBINED SIX-YEAR COLLEGIATE AND LAW COURSE

Fourth-year students in the College of Arts and Sciences may elect courses in the department of Jurisprudence and Public Law which count towards the degree of Bachelor of Laws, and not to exceed twelve hours a week each semester of the first-year studies in the College of Law. These subjects count towards the degree of Bachelor of Arts or of Bachelor of Science. By this arrangement, a student is enabled to complete a combined course of study in six years and receive the two degrees. The student expecting to take this combined course of six years must declare his intention before taking his first degree and must pay the regular fees of the College of Law.

FEES AND EXPENSES

All fees are payable in advance at the secretary's office. The schedule of fees in the College of Law is as follows:

Matriculation fee	\$5
Library fee, each semester.....	1
Diploma fee	5
Diploma fee, <i>in absentia</i> , additional.....	10
Tuition fees:	
Annual tuition, payable \$25 for the first semester and \$20 for the second semester.....	45
For one semester only.....	25
Special students, for one topic, each semester.....	12
Examination fees:	
For advanced standing.....	10
For all who require special examination.....	2

No part of the fees can be refunded to a student after the beginning of the fourth week of a semester. Any refunds should be called for at the time of withdrawal from a class or from the University. No extra fees are charged to students from other states. No student may enroll in classes or take any private examination until his fees are paid.

The cost of table board to students in Lincoln ranges from \$3.00 to \$4.00 a week. The cost of lodging ranges from \$2.50 to \$10 a month, the usual cost being from \$4 to \$5 where two students occupy the same room. The usual cost of combined room and lodging is from \$18 to \$20.

A student in a city the size of Lincoln has many opportunities to secure employment by which he may defray at least part of his expenses. The authorities of the College do not, however, undertake to find employment for students. The Registrar's Office, in connection with the Young Men's Christian Association of the University, maintains an employment bureau.

REQUIREMENTS FOR GRADUATION

Regular students who have completed the course of instruction to the satisfaction of the faculty of the College of Law and of the Board of Regents of the University receive the degree of Bachelor of Laws. Students whose time and means do not permit them to complete the course receive certificates of proficiency according to the merit and extent of their work.

ADMISSION TO THE BAR

Under the statutes of Nebraska, admission to the bar is to be had in the Supreme Court only, and is governed by rules established by that Court. The statutes now provide as follows: "No person shall be admitted to the bar unless such person is at least twenty-one years of age and of good moral character, and unless such person either (1) has had a preliminary education, other than legal, equivalent to that involved in the completion of the first three years of a high-school course accredited by the State Department of Public Instruction, and has regularly and attentively studied law in a reputable law school or in the office of a practicing attorney, or partly in such school and partly in such office, for a period of at least three years, at least one year of which office study shall have been passed in a law office in this state, and shall pass a satisfactory examination upon the principles of the common law, equity, criminal law, statutes and practice of this state; or (2) is a regular graduate of the College of Law of the University of Nebraska, or of such other college of law of this state having entrance requirements and a course of study

equal to and equivalent to those of the law school of the University of Nebraska as the Supreme Court shall, upon application and showing, designate as a College of Law whose graduates shall be entitled to admission without examination; Provided, that such other College of Law shall be a member of the Association of American Law Schools. Provision shall be made by rule of court for the registration of students in law offices in this state at the beginning of their respective terms of study in the office of the clerk of the Supreme Court or the office of the clerk of the District Court in the county in which any such law office is located."

The College of Law of this University is a member of the Association of American Law Schools and graduates of the College of Law are admitted to practice in Nebraska on motion without examination other than that sustained prior to graduation.

COURSE OF INSTRUCTION

The course of instruction in the College of Law extends through three years of thirty-six weeks each exclusive of vacations. The design of the course is two-fold: (1) To afford the training in the fundamental principles of the common law essential to the practice of the profession in any jurisdiction where that system obtains. (2) To acquaint the student with the special subjects of immediate or local importance in Nebraska and neighboring states and instruct him thoroughly in the peculiarities of substantive law and procedure in those jurisdictions, so as to enable him to enter upon the practice understandingly

at once, without any further term of practical instruction in an office. In addition, bearing in mind the extent to which the legislative and executive departments are recruited from the bar, and the part which the profession must take in legislation of all kinds, as well as in the progress and reform of the law, it is designed to stimulate an intelligent and enduring interest in the history and science of law, in order to make not merely practitioners, but lawyers in the fullest sense. The following program of study is made with these ends in view:

REQUIRED COURSES

FIRST YEAR

FIRST SEMESTER

Common-Law Pleading—Ames' *Cases on Pleading*. Two hours attendance. Two hours credit. PROFESSOR CONANT

Contracts—Williston's *Cases on Contracts*. Three hours attendance. Three hours credit. PROFESSOR COSTIGAN

Criminal Law and Procedure—Mikell's *Cases on Criminal Law*; the *Nebraska Criminal Code*. Three hours attendance. Three hours credit. PROFESSOR VERNIER

History and System of the Common Law—A general survey of the legal system of English-speaking countries; courts, their organization and jurisdiction. Selected cases: Blackstone's *Commentaries*, Book III; Street's *Foundations of Legal Liability*, vol. 3. Two hours attendance. Two hours credit. PROFESSOR HASTINGS

Property I—Gray's *Cases on Property*, vol. 1; Kirchwey's *Readings on the Law of Real Property*. Two hours attendance. Two hours credit. PROFESSOR CONANT

Torts—Ames & Smith's *Cases on Torts*, Vol. 2. Two hours attendance. Two hours credit. PROFESSOR WILSON

SECOND SEMESTER

Agency—Huffcut's *Cases on Agency*. Two hours attendance. Two hours credit. PROFESSOR VERNIER

Common Law Pleading (CONCLUDED)—One hour attendance. One hour credit. PROFESSOR CONANT

Contracts (CONCLUDED)—Three hours attendance. Three hours credit. PROFESSOR COSTIGAN

Domestic Relations—Woodruff's *Cases on Domestic Relations*. One hour attendance. One hour credit. PROFESSOR COSTIGAN

Equity Jurisdiction I—Keener's *Cases on Equity Jurisdiction*, vol. 1. Two hours attendance. Two hours credit. PROFESSOR HASTINGS

Practice in Justices' Courts—Selected cases; Cobbe's *Student's Code of Nebraska*. One hour attendance. One hour credit.
MR. LEDWITH

Property I (CONCLUDED)—Gray's *Cases on Property*, vol. 2. Two hours attendance. Two hours credit. PROFESSOR CONANT

Torts (CONCLUDED)—Ames & Smith's *Cases on Torts*, Vol. 1. Two hours attendance. Two hours credit. PROFESSOR WILSON

REQUIRED COURSES

SECOND YEAR

FIRST SEMESTER

Bills and Notes—Ames' *Cases on Bills and Notes*; Huffcut's *Negotiable Instruments*. Three hours attendance. Three hours credit.

PROFESSOR VERNIER

Code Pleading—Selected cases. Three hours attendance. Three hours credit.

MR. LEDWITH

Equity Jurisdiction II—Keener's *Cases on Equity Jurisdiction*, vols. 2 and 3. Three hours attendance. Three hours credit.

PROFESSOR HASTINGS

Equity Pleading—Thompson's *Cases on Equity Pleading*. One hour attendance. One hour credit.

PROFESSOR CONANT

Evidence—Thayer's *Cases on Evidence*. Two hours attendance. Two hours credit.

PROFESSOR WILSON

Wills and Administration—Gray's *Cases on Property*, vol. 4. Two hours attendance. Two hours credit.

PROFESSOR COSTIGAN

SECOND SEMESTER

Code Practice—Bringing an action; provisional remedies; *Nisi prius*; judgment, execution, appellate procedure. Pound's *Cases on Practice*; Cobbey's *Student's Code of Nebraska*. Three hours attendance. Three hours credit.

PROFESSOR HASTINGS

Damages—Beale's *Cases on Damages*. One hour attendance. One hour credit.

PROFESSOR COSTIGAN

Evidence (CONCLUDED)—Two hours attendance. Two hours credit.

PROFESSOR WILSON

Property II—Gray's *Cases on Property*, vol. 3. Two hours attendance. Two hours credit.

PROFESSOR CONANT

Quasi-Contracts—Scott's *Cases on Quasi-Contracts*. Three hours attendance. Three hours credit.

PROFESSOR COSTIGAN

Trusts—Ames' *Cases on Trusts*. Three hours attendance. Three hours credit.

PROFESSOR VERNIER

REQUIRED COURSES

THIRD YEAR

FIRST SEMESTER

Constitutional Law—Thayer's *Cases on Constitutional Law*, vol. I.
Three hours attendance. Three hours credit.

PROFESSOR HASTINGS

Federal Procedure—Selected cases. One hour attendance. One hour credit.

PROFESSOR WILSON

Insurance—Selected Cases. One hour attendance. One hour credit.

PROFESSOR COSTIGAN

Partnership—Burdick's *Cases on Partnership*. Two hours attendance.
Two hours credit.

PROFESSOR CONANT

Private Corporations—Smith's *Cases on Private Corporations*. Two hours attendance. Two hours credit.

PROFESSOR CONANT

Property III—Gray's *Cases on Property*, vol. 5. Three hours attendance. Three hours credit.

PROFESSOR VERNIER

Public Service Companies—Beale and Wyman's *Cases on Public Service Companies*. Two hours attendance. Two hours credit.

PROFESSOR MAXEY

SECOND SEMESTER

Constitutional Law (CONCLUDED)—Thayer's *Cases on Constitutional Law*, vol. 2. Three hours attendance. Three hours credit.

PROFESSOR HASTINGS

Mortgages—Kirchwey's *Cases on Mortgages*. Two hours attendance.
Two hours credit.

PROFESSOR HASTINGS

Municipal Corporations—Smith's *Cases on Municipal Corporations*.
One hour attendance. One hour credit.

PROFESSOR CONANT

Private Corporations (CONCLUDED)—Two hours attendance. Two hours credit.

PROFESSOR CONANT

Property III (CONCLUDED)—Gray's *Cases on Property*, vol. 6. Two hours attendance. Two hours credit.

PROFESSOR VERNIER

Sales—Williston's *Cases on Sales*. Three hours attendance. Three hours credit.

PROFESSOR COSTIGAN

Suretyship and Guaranty—Wilson's *Cases on Suretyship and Guaranty*. One hour attendance. One hour credit.

PROFESSOR WILSON

ELECTIVES

At least eight hours of work in the elective courses must be presented for the degree.

**OPEN TO SECOND-YEAR AND THIRD-YEAR STUDENTS AND,
UPON CONSENT OF THE DEAN, TO FIRST-YEAR STUDENTS.**

Administrative Law I (PUBLIC LAW 3)—Public officers; extraordinary legal remedies. Goodnow's *Cases on the Law of Officers*. First semester. Two hours attendance. Two hours credit.

PROFESSOR MAXEY

Administrative Law II (PUBLIC LAW 4)—Taxation. Goodnow's *Cases on Taxation*. Second semester. Two hours attendance. Two hours credit.

PROFESSOR MAXEY

Analytical and Historical Jurisprudence (JURISPRUDENCE 3)—Second semester. Three hours attendance. Three hours credit.

PROFESSOR MAXEY

International Law I (PUBLIC LAW 6)—Maxey's *International Law*. First semester. Three hours attendance. Three hours credit.

PROFESSOR MAXEY

International Law II (PUBLIC LAW 7)—Advanced course. Second semester. Two hours attendance. Two hours credit to students who do not present International Law I.

PROFESSOR MAXEY

Legislation (PUBLIC LAW 5)—Practical problems in contemporary legislation and law reform. The actual preparation, drafting and criticism of legislative bills in cooperation with the Legislative Reference Bureau. The course will commence about the middle of November and run through the adjournment of the State Legislature. Open to advanced students with the consent of the Dean. Attendance equivalent to two hours a week for one semester. Two hours credit.

PROFESSOR COSTIGAN, MR. SHELDON

(Given in 1910-1911 and alternate years.)

Roman Law (JURISPRUDENCE 2)—History and Institutes. First semester. Two hours attendance. Two hours credit.

PROFESSOR MAXEY

(Given in 1909-10 and alternate years.)

OPEN TO SECOND-YEAR AND THIRD-YEAR STUDENTS ONLY

Bankruptcy—Williston's *Cases on Bankruptcy*. First semester. Two hours attendance. Two hours credit. PROFESSOR COSTIGAN

Conflict of Laws—Beale's *Cases on the Conflict of Laws*. Second semester. Two hours attendance. Two hours credit.

PROFESSOR MAXEY

Irrigation Law—Selected cases. First semester. One hour attendance. One hour credit. PROFESSOR COSTIGAN
(Given in 1909-10 and alternate years.)

Mining Law—Selected cases; Costigan's *American Mining Law*. First semester. Two hours attendance. Two hours credit.

PROFESSOR COSTIGAN

(This course will be given in 1910-1911 and alternate years. For the benefit of the students in this course, Professor Condra, of the department of Geography and Economic Geology, will give two illustrated lectures on the origin of ores and ore deposits, mining prospecting and mining operations.)

OPEN TO THIRD-YEAR STUDENTS ONLY

Conveyancing—Practical exercises in conveyancing, examining abstracts of title, and drafting papers, under the personal supervision of the instructor. Pound's *Exercises in Conveyancing*. Second semester. Two hours attendance. Two hours credit. MR. LEDWITH

EXTRA COURSES**NO CREDIT**

Appellate Procedure—Seminary in appellate procedure. Open to third-year students only. First semester. One hour attendance.

PROFESSOR HASTINGS

Bar Examination Review—A general review of the more important topics of the law, based upon questions used at bar examinations. Open to third-year students only. Second semester. Hours to be arranged.

PROFESSORS COSTIGAN, HASTINGS, MAXEY, CONANT AND VERNIER

Business Law—A course in business law with special reference to the needs of engineers. Credited in the engineering departments, but not in the College of Law. Open to all College of Law students. Second semester. Two hours attendance. PROFESSOR CONANT

Legal Ethics—A study of the American Bar Association's *Canons of Professional Ethics*. Open to all students. Second semester. Hours to be arranged. PROFESSOR COSTIGAN

Probate Practice—Seminary in probate practice for third-year students only. First semester. One hour attendance. PROFESSOR COSTIGAN

PRACTICE AND PRACTICE COURTS

In addition to the courses in practice, in which instruction is given in the principles and general rules of procedure in state and federal courts, practice courts are maintained in order to afford the student an opportunity of acquainting himself with the various steps in an orderly litigation, and of learning by actual experience to determine what proceedings to bring, how to bring them, and how to conduct causes to a final determination. The work in these courts is required. Every effort is made to reproduce the conditions of actual practice. First year students serve as parties, witnesses, and jurors. Second year students serve as justices of the peace, constables, sheriffs, clerks of the courts of record and practicing attorneys. Third year students serve as county attorneys, judges of the various courts of record and practicing attorneys.

The parties and witnesses are advised of the facts of the controversy by the instructor, and the student who acts as counsel discovers the matter at issue and the testimony he may adduce in support of his contentions by consulta-

tion with the party for whom he appears and his witnesses. He then determines the form of action or proceeding, sues out and returns process, prepares pleadings, and takes all steps required to bring the cause to trial. The trial is attended by an instructor, who gives personal instruction in trial procedure, preparation of instructions, verdicts, and journal entries, making motions for new trial or in arrest of judgment, settlement of bills of exceptions, supersedeas, and procedure on appeal.

Each student is required during the second year to try at least one case in an inferior court, and to take it by appeal to the district court. In the third year each student is required to take part in at least two causes, one at law and one in equity, in the district court, and on appeal in the supreme court. A county court is also provided to furnish practice in the probating of wills and the administration of estates.

Further practical exercises in drawing the proper papers or instruments to meet the facts of hypothetical cases are provided in the courses in pleading, in practice, and in conveyancing. The student is never allowed to lose sight of the fact that he is being fitted to practice his chosen profession.

LECTURE COURSE

A course of twenty lectures by prominent members of the bench and bar has been provided. The lectures are upon practical topics from the standpoint of the practitioner, and, among other subjects, will deal with patent, copyright and trademark law, the preparation of causes for trial, the presentation of causes to court or jury, the ex-

amination of witnesses and other branches of advocacy, land titles, professional ethics, commercial business, collections and adjustments, the organization and management of business corporations, office economy and the selection of a library.

METHOD OF INSTRUCTION

The College of Law follows in the main the "Case" or "Source" method of teaching law. Instead of studying text books upon which to recite, the students summarize, and prepare to expound and to comment upon in class, the important cases to which the text writers themselves must go for the law. This resort to the sources is made under the guidance of experienced instructors who supplement the class discussion of the cases with such information as the students require to enable them to understand the cases and the topics to which the cases relate. Students are often advised, and sometimes required, to read particular text-books to supplement the work in the cases, and whenever there is occasion to do so the instructors lecture on particular legal problems. The great aim of the class work is to increase the student's accuracy of legal perception, his ability to analyze cases and extract the right principles from them, and his power to apply those principles to such more or less complicated facts as normally arise in legal practice.

LIBRARIES

Students in the College of Law have access to various libraries, aggregating 191,700 volumes.

The College of Law library, which contains over 5,000 volumes of standard reference and text-books on the com-

mon law and of American and English law reports, is a branch of the University Library.

The University Library of 85,000 volumes includes the standard authorities and works of reference on international law, Roman law, jurisprudence and public law.

The State Library of 65,000 volumes at the Capitol is one of the best law libraries in the West, containing substantially complete sets of the law reports and statutes of all English-speaking jurisdictions.

The Lincoln City Library contains 26,000 volumes.

The Nebraska State Historical Society Library contains 16,000 volumes.

PRIZES

EXCELLENCE IN FIRST-YEAR STUDIES

For the three members of the first-year class who obtain the highest rank in the studies of the first semester, Dr. Roscoe Pound, formerly Dean of the College of Law, offers prizes—books to be selected by the donor.

In 1908-1909 those who received prizes were Thomas Richard Parson Stocker, Joseph Thomas Votava, and Hubert Carter Robertson. The prizes were Fortescue's *De Laudibus Legum Angliae*, Saint Germain's *Doctor and Student*, Montesquieu's *Spirit of Laws*, Erskine's *Speeches*, and Dillon's *Marshall's Complete Constitutional Decisions, Annotated*.

For the member of the first-year class whose scholarship in the second semester displays the most marked improvement over that in the first semester, and who attains a grade of "E" in all of his second-semester studies, Dr.

Roscoe Pound also offers a prize—a book or books to be selected by the donor.

In 1907-1908 the prize—*Select Essays in Legal History*—was awarded to Homer Elhanan Aylsworth.

EDWARD THOMPSON COMPANY PRIZE

For the best thesis by a member of the third-year class the Edward Thompson Company of Northport, New York, offers *The American and English Encyclopedia of Law* or *The Encyclopedia of Pleading and Practice*. The thesis, which must be submitted to the Dean not later than the third Monday in May, must contain not less than 2,000 nor more than 4,000 words, must be satisfactory to the examining committee as to matter and style, and must be printed or typewritten on paper of uniform size and quality.

LEGAL BIBLIOGRAPHY PRIZE

To promote a practical knowledge of legal bibliography, the Dean of the College offers a prize, open to all students—any standard legal treatise, to be selected by the winner. This prize is awarded upon an examination held in the law library at the beginning of the second semester. The examination is both oral and written, embracing the principal reports, American and English, standard abbreviations and modes of citation, standard text-books, search for cases in the reports, identification of cases imperfectly cited, and use of digests. In 1908-1909 the prize was awarded to John Lawrence Rice.

ORATORY

The College of Law offers a first prize of \$35 and a second prize of \$15 for the best orations to be written and

delivered by regular students of the College of Law and the College of Medicine and by regular undergraduate students who have attained junior standing in the College of Arts and Sciences. The rules and regulations governing the oratorical contest are framed by the faculty of the College of Law. It is expected that the contest will occur sometime in April.

WILLIAM JENNINGS BRYAN PRIZE

For the best essay on the science of government is offered annually the income of \$250, the gift of Hon. William Jennings Bryan.

THETA KAPPA NU

The Theta Kappa Nu, the law scholarship fraternity, the Nebraska chapter of which was established in 1904, elects not less than one-tenth nor more than one-sixth of the graduating class, solely on the basis of scholarship as shown by grades attained in the required law work for the entire course.

COURTS

The College of Law occupies rooms in University Hall within a few blocks of the law offices and courts. The Supreme Court, the District Court (in three divisions), the County Court and various minor courts are almost constantly in session during the school year. In addition to the various State Courts, the Circuit and District Courts of the United States for the District of Nebraska hold two terms in Lincoln each year. Exceptional facilities are thus afforded the student to hear the arguments of able counsel and to become acquainted with the workings of courts.

LEGISLATURE

The student has the opportunity each alternate year of attending the session of the Nebraska Legislature, where he may observe the process and forms of legislation. The course on legislation, given as a College of Law elective, brings the students who take it in close touch with the work of the legislature.

GENERAL COLLEGE PRIVILEGES

A student in the College of Law may, without paying additional fees, register for not more than five hours of work in the College of Arts and Sciences. Credit in the general colleges is not applied toward the degrees of those colleges, however, unless the matriculation and other fees of those colleges are regularly paid. Students taking advantage of this rule may not change their registration in the general college or drop any of the subjects registered for therein without paying the re-registration fee of \$3.

Subjects peculiarly suitable to law students are American history, argumentation, comparative government, constitutional history, debate, diplomacy, English institutional history, ethics, political economy, political history, political science, public speaking, and sociology.

GYMNASIUM

The gymnasium is open to students of the College of Law. It is in charge of experts in physical training, who advise each student as to the character and amount of physical exercise adapted to his case.

THE COLLEGE OF MEDICINE

MEMBERS OF THE FACULTY

SAMUEL AVERY, A.M., PH.D.

Chancellor and President of the University Senate

Administration Hall 101

* HENRY BALDWIN WARD, PH.D.

Dean of the College of Medicine and Professor of Zoology

Administration Hall 104

HAROLD GIFFORD, B.S., M.D.

Associate Dean of the College of Medicine and Professor of

Ophthalmology and Otology

563 Brandeis Building, Omaha

RICHARD CHANNING MOORE, M.D.

Professor of Diseases of the Mind

312 McCague Building, Omaha

WILLIAM FORSYTH MILROY, M.D.

Professor of Clinical Medicine and Physical Diagnosis

212 McCague Building, Omaha

WILLSON ORTON BRIDGES, M.D.

Professor of the Principles and Practice of Medicine and

Clinical Medicine

302 Bee Building, Omaha

† WILLIAM HENRY CHRISTIE, M.D.

Emeritus Professor of Materia Medica and Therapeutics

AUGUST FREDERICK JONAS, M.D.

Professor of the Practice of Surgery and Clinical Surgery

454 Brandeis Building, Omaha

HARRY MONROE McCLANAHAN, A.M., M.D.

Professor of Pediatrics

468 Brandeis Building, Omaha

* Resigned.

† Deceased.

THE UNIVERSITY OF NEBRASKA

OSCAR SAMUEL HOFFMAN, M.D.

Professor of Clinical Medicine

324 Bee Building, Omaha

BYRON BENNETT DAVIS, A.B., M.D.

Professor of the Principles of Surgery and Clinical Surgery

202 Bee Building, Omaha

FRANK STYLES OWEN, M.D.

Professor of Laryngology and Rhinology

469 Brandeis Building, Omaha

ANDREW BARTHOLOMEW SOMERS, M.D.

Professor of Obstetrics

446 Brandeis Building, Omaha

SOLON RODNEY TOWNE, A.M., M.D.

Professor of Hygiene and State Medicine

446 Brandeis Building, Omaha

JOSEPH MELANCHTHON AIKIN, M.D.

Clinical Professor of Nervous Diseases

468 Brandeis Building, Omaha

HANS PETER JENSEN, M.D.

Professor of Electro-Therapeutics

2804 Harney Street, Omaha

RAYMOND GUSTAVUS CLAPP, M.D.

Professor of Physical Education

Grant Memorial Hall

DONALD MACRAE, JR., M.D.

Professor of Clinical Surgery

252 Merriam Block, Council Bluffs, Iowa

VERNON LAWRENCE TREYNOR, M.D.

Professor of Clinical Medicine

Baldwin Block, Council Bluffs, Iowa

*SAMUEL AVERY, Ph.D.

Head Professor of Chemistry

Chemical Laboratory

ROBERT HENRY WOLCOTT, A.M., M.D.

Professor of Anatomy

Mechanics Arts Hall 300

* Elected Chancellor May 20, 1909.

PALMER FINDLEY, A.M., M.D.

Professor of Didactic and Clinical Gynecology

302 Bee Building, Omaha

ALFRED SCHALEK, A.M., M.D.

Professor of Dermatology and Genito-Urinary Diseases

400 Bee Building, Omaha

HERBERT HAROLD WAITE, A.M., M.D.

Professor of Bacteriology and Pathology

Nebraska Hall 303

LE ROY CRUMMER, M.D.

Professor of Therapeutics

*BENTON DALES, Ph.D.

Professor of Analytical Chemistry

Chemical Laboratory

AUGUST ERNEST GUENTHER, Ph.D.

Professor of Physiology

Nebraska Hall 5

RUFUS ASHLEY LYMAN, A.M., M.D.

Professor of Pharmacodynamics

Director of the Laboratories of Pharmacy and Pharmacodynamics

Nebraska Hall 7

ARTHUR CHARLES STOKES, B.S., M.D.

Associate Professor of Genito-Urinary Surgery and Surgical Anatomy

503 Brandeis Building, Omaha

WILLIAM ALBERT WILLARD, A.M.

Professor of Histology and Embryology

Nebraska Hall 302

PAUL GERHARDT WOOLLEY, B.S., M.D.

Associate Professor of Pathologic Anatomy

2903 Dewey Ave., Omaha

FRANKLIN DAVIS BARKER, A.M.

Associate Professor of Zoology

Nebraska Hall 302

JOSEPH HORACE POWERS, Ph.D.

Associate Professor of Zoology

Nebraska Hall 306

* In charge of the Department of Chemistry.

CHARLES WILLIAM McCORKLE POYNTER, B.Sc., M.D.

Assistant Professor of Human Anatomy

Mechanic Arts Hall 300

HIRAM WINNETT ORR, M.D.

Assistant Professor of the History of Medicine

1238 O Street, Lincoln

*GEORGE HAMLIN BICKNELL, M.D.

Adjunct Professor of Ophthalmology and Otology

CHARLES WHITNEY POLLARD, A.B., M.D.

Adjunct Professor of Obstetrics

446 Brandeis Building, Omaha

MARY LOUISE FOSSLER, A.M.

Adjunct Professor of Chemistry

Chemical Laboratory

BURTON WHITFORD CHRISTIE, B.Sc., M.D.

Instructor in Pediatrics

48 Barker Block, Omaha

AARON WELCH EDMISTON, M.D.

Instructor in Bandaging and Surgical Dressings

3 Creighton Block, Omaha

ALFRED OLAF PETERSON, A.M., M.D.

Instructor in Internal Medicine

203 Ramge Building, Omaha

JAMES SAMUEL GOETZ, M.D.

Instructor in Internal Medicine

324 Bee Building, Omaha

THOMAS TRUELSEN, M.D.

Instructor in Physical Diagnosis and Clinical Assistant in Medicine

587 Brandeis Building, Omaha

LAWRENCE B. PILSBURY, A.B., M.D.

Instructor in Bacteriology and Pathology

Nebraska Hall 302

HARRY HARDING EVERETT, B.Sc., M.D.

Instructor in Surgical Pathology

Mechanic Arts Hall 300

HENRY JOHN LEHNHOFF, A.B., M.D.

Instructor in Surgery

Mechanic Arts Hall 300

* DANIEL FRANCIS LEE, A.B., M.D.

Instructor in Materia Medica

12 Continental Block, Omaha

WILLIAM HULL RAMSEY, M.D.

Instructor in Surgery

224 Bee Building, Omaha

PAUL HAGANS LUDINGTON, A.B., M.D.

Instructor in Medicine

811 Brandeis Building, Omaha

RODNEY WALDO BLISS, B.S., M.D.

Instructor in Clinical Pathology and Internal Medicine

312 McCague Building, Omaha

ROBERT RUSSELL HOLLISTER, A.B., M.D.

Instructor in Surgery and Gynecology

400 Bee Building, Omaha

CHARLES REX KENNEDY, M.D.

Instructor in Surgery

536 Brandeis Building, Omaha

HENRY BASSETT LEMERE, M.D.

Instructor in Ophthalmology and Otology

309 Paxton Block, Omaha

ERNEST TIBBETS MANNING, M.D.

Instructor in Therapeutics

501 Paxton Block, Omaha

CLARENCE EMERSON

Fellow in Bacteriology

Nebraska Hall 303

AUGUST DAVIS CLOYD, M.D.

Lecturer on Life Insurance Examinations

Woodmen Building, Omaha

* Resigned.

ALFRED ONIAS HUNT, D.D.S.

Lecturer on Dental Surgery

420 Bee Building, Omaha

GEORGE MOGRIDGE, M.D.

Lecturer on Arrested Development

Glenwood, Iowa

ERNEST CLIFFORD PAGE, PH.M., LL.B.

Lecturer on Medical Jurisprudence

812 New York Life Building, Omaha

JAMES F. STEVENS, M.D.

Lecturer in Charge of Materia Medica

304 Funke Building

WILLIAM PENALUNA WHERRY, M.D.

Clinical Assistant in Laryngology and Rhinology

469 Brandeis Building, Omaha

CHARLES CAMPBELL MORISON, A.B., M.D.

Clinical Assistant in Surgery

587 Brandeis Building, Omaha

CHARLES AARON HULL, M.D.

Clinical Assistant in Surgery

200 Bee Building, Omaha

JAMES McDOWELL PATTON, A.M., M.D.

Clinical Assistant in Ophthalmology and Otology

567 Brandeis Building, Omaha

NORA MAY FAIRCHILD, M.D.

Clinical Assistant in Gynecology

826 Brandeis Building, Omaha

ALFRED JEFFERSON, M.D.

Clinical Assistant in Gynecology

309 Range Block, Omaha

JOHN JOSEPH KLICK, M.D.

Assistant in Dermatology

300 Bee Building, Omaha

WALTER GARFIELD HILTNER, B.Sc., M.D.

Demonstrator in Anatomy

Mechanic Arts Hall 300

HENRY PETER WEKESSER, M.D.

Demonstrator in Anatomy

Mechanic Arts Hall 300

GEORGE HEMAN WALKER, M.D.

Demonstrator in Anatomy

Mechanic Arts Hall 300

DAVID CLARK HILTON, A.M., M.D.

Quiz-master in Anatomy

J. STANLEY WELCH

Quiz-master in Pathology

EDWARD WINFIELD ROWE

Quiz-master in Materia Medica

HENRY BLAKESLEE BOYDEN, A.B.

Assistant in Anatomy

Mechanic Arts Hall 300

ERIK MARTIN PAULUS SWARD, A.B.

Assistant in Anatomy

Mechanic Arts Hall 300

WILLIS HARVEY TAYLOR, B.Sc.

Assistant in Anatomy

Mechanic Arts Hall 300

JAMES LEE WILSON, B.Sc.

Assistant in Anatomy

Mechanic Arts Hall 300

EARL GEORGE JOHNSON, A.B.

Assistant in Histology and Embryology

Nebraska Hall 205

DISPENSARY STAFF

SUPERINTENDENT OF DISPENSARY: DOCTOR BLISS

INTERNAL MEDICINE

PROFESSOR BRIDGES

PROFESSOR MILROY

ASSISTANT: DOCTOR BLISS

SURGERY

PROFESSOR JONAS

PROFESSOR DAVIS

ASSISTANT: DOCTOR HOLLISTER

EYE AND EAR

PROFESSOR GIFFORD

ASSISTANT: DOCTOR PATTON

NOSE AND THROAT

PROFESSOR OWEN

ASSISTANT: DOCTOR WHERRY

PEDIATRICS

PROFESSOR McCLANAHAN

ASSISTANT: DOCTOR CHRISTIE

OBSTETRICS

PROFESSOR SOMERS

ASSISTANT: DOCTOR POLLARD

GYNECOLOGY

PROFESSOR FINDLEY

ASSISTANTS: DOCTOR JEFFERSON DOCTOR FAIRCHILD
DOCTOR HOLLISTER**NERVOUS DISEASES**

PROFESSOR AIKIN

DERMATOLOGY

PROFESSOR SCHALEK

ASSISTANT: DOCTOR KLICK

GENITO-URINARY SURGERY

ASSOCIATE PROFESSOR STOKES

DRUG ROOM

CHARLES RAY STEWART, PH.G.

THE COLLEGE OF MEDICINE

ORGANIZATION

By an agreement entered into in May, 1902, the Omaha Medical College became the College of Medicine of the University of Nebraska. The College thus incorporated into the University was founded in 1880 and has experienced strong and steady growth.

As an integral part of the University the College has been able to reorganize its work along the most advanced lines. The requirements for entrance have been placed on a level with those of the best medical colleges, thus preparing the student properly for the improved advantages at his disposal.

The work of the first two years is carried on at Lincoln, where the University places at the disposal of the student, at the beginning of his course in medicine, advantages such as but comparatively few medical schools in the country offer. The University's laboratories, directed by men of thorough training and large experience, who devote their entire time to instruction and supervision, are well equipped with modern appliances.

The work of the last two years is done exclusively at the College in Omaha, where are now afforded unusual clinical facilities, but, nevertheless, the College is constantly strengthening them.

STANDING

The College of Medicine meets the requirements of the most exacting examining authorities. It stands in the approved list of all state examining and licensing boards and its diploma grants the holder all privileges accorded to graduates of any medical school in the United States. The class of 1906 was the first to complete its training under University auspices. Every member of that class and also of the subsequent classes, 1907 and 1908, has passed successfully in all state board licensing examinations in which he has taken part.

Official notice has been received from the Secretary of the Examining Board in England that the Royal Colleges of Physicians and Surgeons have added the University of Nebraska to the list of those institutions recognized by this Board at which the curriculum of professional study may be pursued and whose Graduates in Medicine may be admitted to the Final Examination in Medicine, Surgery and Midwifery, on production of the required certificates of study. This recognition is a source of great gratification to every student and is of especial value to those who are planning to take up work in foreign lands as medical missionaries.

ADMISSION

The College of Medicine now offers a four-year course leading to the degree of Doctor of Medicine, or a student may, if he prefers, pursue a combined collegiate and medical course, receiving at the end of four years the bachelor's degree, and at the end of six years the degree of Doctor of Medicine.

January 1, 1908, the entrance standard was raised to include one year of college work. The advance was so satisfactory to both faculty and students that in December, 1908, the Board of Regents voted on recommendation of the faculty to put into effect the long promised further advance and to raise this standard so as to include two full years of college work. The present standard means that the course of study shall be five years above the four-year high school. The first year will be practically that of the six-year combined course, being devoted to German, chemistry, physics, and animal biology, with three hours of elective work. This combination has been offered for many years and recommended to all prospective medical students who could not take the six-year course. It agrees precisely with the work laid down for an ideal initial year by the Council on Medical Education of the American Medical Association.

Two points of some importance should be noted in connection with the five-year course. The initial year, if taken at the University of Nebraska, is not subject to the fees of the professional course, but demands only the moderate charges for laboratory expenditures of the general scientific course. Secondly, the work may be taken at any college of standard entrance requirements, provided the work outlined above is carried successfully. There are many colleges which cover the introductory work noted in an eminently satisfactory manner, and in such cases the student with proper credentials will be entered directly into the first year of professional work in medicine, *i. e.*, of the four-year course.

Candidates are admitted by examination or on certificate

from accredited high schools, academies, or colleges. Women are admitted on the same terms as men. The requirements for admission are stated below.

Although properly prepared students who cannot enter at the beginning of the year may be admitted later, all students who can possibly do so are urged to be present at the beginning of the year. Students entering late are at much disadvantage and cannot expect to finish the course within the minimum limit except by taking work in the Summer Session. Plans are so made that students who enter at the opening of the second semester will find a suitable program of work.

Applicants for admission present themselves to the Registrar, who furnishes them with application blanks and directions for proceeding with their examinations, if any, with fee payments and registration.

An applicant presenting a certificate from an accredited school, academy, or high school is admitted without examination to any classes for which he is fully prepared. Any candidate for admission bringing credentials from a high school, college, or university not included in the list of schools accredited to this University must, upon making application, present his credentials to the Registrar and be prepared to take such examinations as are prescribed.

A student desiring to ascertain whether or not he can be admitted to the freshman class without examination should apply to the Registrar for blank credential slips. When these are properly filled out and returned, he will be informed at once whether his credentials are or are not acceptable.

REQUIREMENTS FOR ADMISSION

Candidates for admission to the College of Medicine should submit their entrance credentials at least one month in advance.

For admission to the freshman class in the College of Medicine, a candidate must present evidence of having completed the course in an accredited high school, or an institution of equal grade, and in addition must have had one year of work in a reputable college. Furthermore the candidate must furnish evidence of having completed thirty points of entrance credit as laid down in the minimum requirements of the Association of American Medical Colleges. These are specified below. Conditional admission to the preliminary College year is permitted on the minimum of 24 credit points or 120 credit hours, but the student must remove all entrance requirements before he may be admitted to full sophomore standing.

A credit "point" presupposes the work of five recitations a week of not less than 40 minutes each during a period of at least 18 weeks. The requirements in detail are given below. The time element indicated with each subject is essential.

REQUIRED SUBJECTS—16 Points

Algebra (to simultaneous quadratics), 1 year, 5 hours a week.....	2
Geometry (Plane), 1 year, 5 hours a week.....	2
English (Grammar, Rhetoric and Composition), 2 years, 5 hours a week	4
History, 1 year, 5 hours a week.....	2
Language (must be Latin), 2 years, 5 hours a week.....	4
Physics (with laboratory work), 1 year, 5 hours a week.....	2

OPTIONAL SUBJECTS—14 Points

In addition to these required subjects, for which no substitutes are accepted, applicants must present evidence of preparation in 14 points to be chosen from the following optional list:

Advanced Mathematics (Algebra through logarithms, Solid Geometry and Trigonometry, $\frac{1}{2}$ year each), $1\frac{1}{2}$ years, 5 hours a week.....	1 to 3
English Language and Literature (only if taken after the required English), 2 years, 5 hours a week.....	1 to 4
History (may include Civics and Political Economy), 2 years, 5 hours a week.....	1 to 4
Language (German, French, Spanish or Greek. Not less than one year in any one), 4 years, 5 hours a week.....	2 to 8
(Latin), 2 years, 5 hours a week.....	1 to 4
Natural Science (Biology, 1 year, or Botany and Zoology, $\frac{1}{2}$ year each), 1 year, 5 hours a week.....	1 or 2
Physical Science (Chemistry), 1 year, 5 hours a week.....	1 or 2
Earth Science (Physical Geography and Geology, $\frac{1}{2}$ year each), 1 year, 5 hours a week.....	1 or 2
Physiology and Hygiene, $\frac{1}{2}$ year, 5 hours a week.....	1
Astronomy, $\frac{1}{2}$ year, 5 hours a week.....	1
Drawing, $\frac{1}{2}$ year, 5 hours a week.....	1

REGISTRATION

Five days are allowed for the registration of students—from 9 a. m. Tuesday to 5 p. m. Saturday for both first and second semesters. Graduate students and city teachers may register at any time until the end of the week following the regular registration days.

Students are required to register promptly at the beginning of each semester.

To promote prompt registration a special fee of \$3.00 is charged a student who, unless excused by the Chancellor,

for any reason seeks to register later than the regular days set aside for this purpose. A like fee is charged for re-registration if made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration.

On or before June first every year each under-graduate student is required to lodge in the office of the Registrar his proposed schedule of classes for the first semester of the year immediately following.

No regular student is registered for less than twelve (12) hours nor more than eighteen (18) hours a semester without the dean's permission.

A student taking the combined six-year course for the degree of Bachelor of Science and the degree of Doctor of Medicine must matriculate and register in the College of Medicine at the beginning of the third year's work of the combined course and must regularly thereafter register as a student in the College of Medicine. If he is to be a candidate for the bachelor's degree, he must at the same time continue to register in the College of Arts and Sciences.

A junior or a senior in the College of Arts and Sciences or the Teachers College may take any of these courses by registering as an unclassified student in the College of Medicine and paying the laboratory fees attached to the course or courses chosen and also a pro-rata tuition fee; provided, however, that the tuition charge for any course in the College of Medicine so taken by a student in either of the general colleges shall in no case be less than \$5 a semester.

When circumstances warrant and the accommodations

are sufficient to allow it without detriment to the work of candidates for degrees, students not seeking a degree are admitted as unclassified.

Students cannot attend classes for which they are not registered and credit is not granted for studies pursued without registration.

No student is allowed to change from one college to another without written permission to the Registrar signed by the dean of each college concerned. A student so changing college must also pay a new matriculation fee of \$5.

No student may change his group or drop any study for which he has been regularly registered without written permission from the dean of his college.

Any change in a student's residence must be immediately reported to the Registrar.

A leave of absence for a short time may be granted a student by the dean of his college. This leave is merely a justification for absence and not an excuse from any work.

If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Registrar grants him permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

The dean of the college in which a student registers is that student's adviser. Each dean has a consultation hour in the deans' room, Administration Hall 104, where students may call seeking advice touching their work.

According to the By-Laws of the Association of American Medical Colleges, each student shall be obliged to at-

tend 80 per cent of the exercises in every annual course of study for which he seeks credit. No student shall be given credit on examination unless he attains a grade of at least 70 per cent, or its equivalent in any other marking system. And no student shall be graduated unless he shall have attained a passing grade in each and all subjects of the required curriculum. By vote of the clinical faculty the passing grade for junior and senior medical students shall be hereafter 75 per cent, which is the grade required in licensing examinations of the Nebraska State Board of Health.

ADVANCED STANDING

Advanced standing may be granted as follows to applicants presenting proper credentials:

In accordance with the recommendation of the Association of American Medical Colleges, the University will not hereafter grant any time credit to holders of a bachelor's degree; this means that the total time spent by each student must include as a minimum four years of registration in a medical college.

There will be no change in the practice heretofore observed concerning subject credit. Applicants for credit in any particular subject are referred to the head of the department in question for examination. In case subject credit is granted the student is free to use the time thus gained in such extra work as he may elect. Thus students who came from high grade colleges are enabled to pursue advanced studies for a second degree or to go into research courses in any department in which they are prepared to work. This is of evident advantage to the student.

Students of other medical colleges of equal standing are, on presenting certificates of honorable dismissal, admitted to the class to which credentials issued by such colleges entitle them.

Applicants for advanced standing must offer admission credits equal to those required by this college.

Graduates of colleges of homeopathy or eclectic medicine requiring a four years course are admitted to the senior year.

In all these cases the applicant for advanced standing must offer admission credits equal to those required by this college.

REQUIREMENTS FOR GRADUATION

The requirements for the degree of Doctor of Medicine are as follows:

1. The candidate must be twenty-one years of age.
2. His moral character must be unquestioned.
3. He must have complied with all the requirements of admission and have paid all his fees.
4. He must have completed all required courses and have passed a satisfactory examination on all required subjects in the curriculum.
5. He must have pursued the study of medicine four years and have received credit for at least four full courses of instruction in different years at medical schools in good standing. The last course he must have taken in this institution.
6. He must have undergone a full and satisfactory written and oral examination at the termination of the course.

The following rule of the Medical Faculty applies to all who are candidates for a degree:

Every student expecting to receive the degree of M. D. at a given Commencement shall be held to all of the final examinations immediately preceding that Commencement, and shall not be recommended for the degree unless he shall have passed satisfactorily all subjects of such examination, regardless of any standing which may have been attained previously in any subject or subjects of the examination.

SUMMER SESSION

The Summer Session of the University affords opportunities to make up deficiencies in entrance requirements and in certain lines of laboratory work.

COURSES AND METHODS OF INSTRUCTION

The course of study covers four years of nine months each. During the first two years those strictly scientific branches are pursued which form the basis for the technical studies of the last two years. In the laboratory only independent work is accepted. None of the courses are mere demonstrations. This objective method of instruction is followed not only in the laboratory study of the first two years but also in the clinical work of the last two, where constant use is made of the facts acquired from laboratory teaching in the fundamental branches.

The courses embrace also didactic and clinical lectures, in which effort is made by charts, models, experiments, demonstrations and other appropriate means to broaden the mind of the student and to coordinate the facts acquired

in the laboratory. Frequent quizzes and examinations test progress in each line of work.

The College affords unique opportunities for personal contact between teacher and pupil in the lecture room, the laboratory, and the clinic, thus permitting work to be done with unusual thoroughness. There is personal teaching in every topic, each student standing continually close to his instructors, which is of the utmost importance in the last two years of the course. The sectional method of clinical work brings the individual student in intimate contact with his clinical instructors, affords him an opportunity to study each case thoroughly and at short range, and allows him to secure a large amount of bedside instruction.

If a student finds it necessary to leave the University, he may obtain a certificate for his work in the medical course which will enable him to enter any other medical college belonging to the Association of American Medical Colleges.

EQUIPMENT

The work in Lincoln is given in the various laboratories of the University, which are well equipped with the necessary apparatus. A more detailed description of the facilities provided is found under the head of "Courses of Instruction" in connection with the different departments represented.

The college building in Omaha, completed in 1899, and situated at the corner of Twelfth and Pacific streets, embodies the best features of modern medical-school buildings. It is a brick and stone structure, having four stories above the basement.

On the first floor are the offices and faculty room, the students' lobby, and the free dispensary. The latter comprises a waiting room for patients, a drug room, and numerous departmental clinic rooms for the systematic examination and treatment of patients.

On the second floor are the amphitheater with a seating capacity for 250, the library, the reading room, the X-ray room, and a commodious coat room.

On the third floor are the museum, chemical laboratory thirty by fifty feet in size, private rooms for the professors of surgical anatomy, clinical chemistry and pathologic anatomy, and a smaller amphitheater with a stationary table to which gas and running water are supplied for practical demonstrations in these branches.

The fourth floor is wholly given up to microscopic work. The laboratories, occupying a space one hundred by thirty-five feet, have light on every side. Stationary tables for the preparation and mounting of specimens occupy the center of the room. These tables are supplied with gas and running water and are made as convenient as possible to conserve the student's time. In front of each window is a table furnished with gas attachments and Bunsen burners. In this room are lockers so that each student has a safe place for his working outfit.

The clinical and pathological laboratories are commodious and provided with abundant light. The arrangement is such that the class may, at a moment's notice, be assembled from the laboratory desks to recitation benches at one end of the room, where demonstrations may be made from gross specimens by the use of series of blackboards or by

means of projection apparatus. These laboratories are provided with a lantern, a projection microscope and a complete Zeiss epidiascope, as well as a collection of slides, models and charts.

During the past year clinical laboratory instructors have been added to the faculty, the clinical laboratories have been thoroughly equipped, and much time is devoted to the study of clinical pathology in the laboratories in connection with the lectures and clinics.

The museum has been enlarged, and affords a large variety of well-selected material for demonstration.

With the transfer of the entire work of the first two years to Lincoln, much additional space was set free which is being used for the expansion of advanced instruction and research.

CLINICAL FACILITIES

For practical teaching in all departments of medicine and surgery, this College has unusual clinical facilities. Its students have access to nine hospitals, in five of which they have exclusive clinical privileges.

Three new, modern hospitals in Omaha and one in Council Bluffs are added this year to the list of institutions connected with the College. These institutions are under the exclusive control of the faculty, and students are admitted to the wards and amphitheaters for clinical instruction.

THE COLLEGE DISPENSARY

The College Dispensary on the first floor of the College building is designed for the gratuitous treatment of all worthy charitable cases that may apply. The space as-

signed includes a large reception room and adjoining consultation rooms for the separate examination and treatment of cases in surgery, medicine, gynecology, pediatrics, eye, ear, nose, throat, skin and genito-urinary diseases. A pharmacy department in charge of a trained pharmacist is also maintained in connection with the dispensary. Members of the clinical faculty, their assistants, and trained nurses, are in daily attendance from twelve to two o'clock. Students in the Senior class are divided in rotation among the different departments, whereby they are put in close touch with the histories, examinations, diagnoses, and treatment of cases. The material available is ample to demonstrate the usual diseases and accidents met with in practice. Selected cases are specially demonstrated and enlarged upon before the entire class. Advanced students are often sent out from the clinic to see urgent cases at their homes and to make reports thereon to the instructor in charge. Students who have not had experience in dispensing drugs are assigned in rotation to the pharmacy, where they are instructed in writing and reading prescriptions and in compounding and dispensing drugs. The drug room is under the direction of a registered pharmacist.

THE NEBRASKA METHODIST HOSPITAL

In the Nebraska Methodist Hospital, which received over 1,200 patients last year, this College has exclusive clinical privileges. A new, commodious, fireproof building, planned by one of the best architects in the country and embodying the most modern details of construction and arrangement, has been recently erected. It contains an operating pavilion

and amphitheater seating about 100 patients and furnished with the best appliances known. At this hospital weekly clinics are held throughout the session for the advanced class in surgery, orthopedics, internal medicine, ophthalmology and otology. From the graduating class three internes are selected for a year's service each, with provisional opportunities for extended work.

THE IMMANUEL HOSPITAL

In the Immanuel Hospital students of this College also have exclusive clinical privileges. This hospital is well arranged and thoroughly equipped for the application of scientific methods in the treatment of disease. It contains an operating amphitheater, accommodating about eighty students, with the seats so arranged that each student has an unobstructed view of the operator or instructor. An addition to the building is nearing completion which will increase its capacity to one hundred and twenty beds. Weekly clinics are held in internal medicine and surgery. Occasionally there are clinics in laryngology and rhinology. From the graduating class two resident physicians are appointed soon after Commencement to serve one year. One or more students are given positions as assistants in their senior year.

THE DOUGLAS COUNTY HOSPITAL

The Douglas County Hospital, costing \$200,000 and accommodating 300 patients, includes a maternity pavilion and an insane department. During the past year there has been added a pavilion for the modern treatment of cases of consumption. This institution is, in reality, the charity

hospital of Omaha and the surrounding country. Since cases illustrative of all diseases, acute and chronic, occurring in this section of the country are found here, the students of this College have exceptional opportunities for direct bedside instruction in all departments. Regular clinics are held weekly in medicine, genito-urinary diseases, dermatology, gynecology, mental diseases and obstetrics. Two resident physicians, both of whom are this year from this College, are appointed for one year by competitive examination each spring.

THE CLARKSON MEMORIAL HOSPITAL

A new modern building is now under construction and is expected to be occupied in the spring of 1909. The building is located at Twenty-third and Howard streets, within an easy walk of the College. It will be among the most modern of hospital buildings. There will be 85 beds and three operating rooms. This hospital will afford opportunities for two internships. Clinics in surgery, medicine, ophthalmology, otology, and gynecology are held weekly in the amphitheater.

THE WISE MEMORIAL HOSPITAL

This hospital has been rebuilt and trebled in size. The new building is of stone, pressed brick, and iron construction; it is modern in every respect. There are sixty-one beds and two well-equipped operating rooms. Clinics in medicine, otology, and rhinology are held weekly in the amphitheaters. One interne is chosen from the graduating class each year for a service of one year. This hospital is located within walking distance of the College.

THE SWEDISH MISSION HOSPITAL

This hospital is located at 24th and Pratt streets. It has a capacity of 45 beds. The operating room is provided with an amphitheater for students. Surgical clinics are held here by appointment by Professor Stokes. Two internes are appointed each year from the Senior class.

THE CHILD-SAVING INSTITUTE

In the Child-Saving Institute this College has exclusive clinical privileges. The institute now occupies a building especially constructed for its use. Its accommodations for sixty infants are constantly taxed. The opportunities here for the study of the dressing, care and feeding of infants, and the diagnosis, progress and treatment of the different gastro-intestinal and contagious diseases of childhood are unexcelled. Occasional outbreaks of infectious diseases in the constantly-changing inmates afford unusual illustration of the subjects taught in the course of pediatrics.

THE JENNIE EDMUNDSON HOSPITAL, COUNCIL BLUFFS

This new Hospital at Council Bluffs is in professional charge of members of the faculty of this College. For surgical work its equipment is thorough, including a fine operating room. Clinics are held each week by Professors Macrae and Treynor in general medicine and in surgery. The new building recently completed, containing seventy beds, is a most modern institution.

THE TINLEY RESCUE HOME

The Tinley Rescue Home is under the direct supervision of Professors Somers and Pollard, and furnishes an abund-

ance of material for clinical instruction. In addition to the normal cases, most of the obstetrical operations are performed in the presence of the members of the graduating class.

THE VISITING NURSES' ASSOCIATION

The search of the Visiting Nurses' Association for deserv- ing, unattended sick furnishes the members of the faculty of obstetrics many cases of confinement. These are assigned to members of the senior class under the direction of the obstetrical staff of the College.

HOSPITAL APPOINTMENTS

The Glenwood Institute for the Feeble Minded affords a salaried position as a house physician for one graduate in medicine each year. At the Douglas County Hospital two internes are appointed by competitive examination each year. Two internes are chosen by competitive examinations given by the medical staff of the Omaha General Hospital. The following internships are filled exclusively from the graduating class of the College of Medicine for a service of one year: Three at the Nebraska Methodist Hospital; two at the Immanuel Hospital; one at the Wise Memorial Hospital; two at the Swedish Mission Hospital; one at the Jennie Edmundson Memorial Hospital.

Several graduates of the College secure positions each year in other hospitals in Nebraska and adjacent states. The faculty receives frequent inquiries from superintendents of hospitals desiring recent graduates for such positions, and all capable students desiring hospital training may obtain this inestimable advantage of a year's hospital serv-

ice before entering upon private practice. The proportionate number of such positions open to the college will thus be seen to be far beyond that in the majority of medical schools.

Two graduates may also secure for six months of each year positions as assistant police surgeons. This is a valuable experience, as from fifty to one hundred emergency cases are treated by these men each month. In addition to regular internships for the graduating class opportunities are afforded several students of the Senior class to serve in the various hospitals affiliated with the College of Medicine. These positions do not conflict with the scheduled work of the college, and supply valuable experience to the students so engaged.

PUBLIC ADDRESSES

To give medical students knowledge at first hand of important movements in medicine and allied sciences special convocations are held several times each year at such dates as it is possible to secure speakers from abroad.

During the current year the following addresses have been given:

1. Dean Henry B. Ward, "The University of Nebraska and its Work in Medical Education."
2. Dr. E. J. C. Sward, Secretary of the Nebraska State Board of Health, "The Relation of Medical Men to the State Board."
3. Dr. J. L. Greene, Superintendent Illinois State Hospital, Kankakee, "The Value of Foundation Studies in Achieving Success in Medical Practice."

4. Dr. F. Creighton Wellman, Washington, D. C., "Insects and Human Disease."

The College of Medicine has also instituted a series of addresses of general interest on medical subjects which are given in Lincoln at the regular University convocation periods for the benefit of the entire student body and the public. In this series the following lectures have been given this year:

1. Former State Superintendent of Public Instruction J. L. McBrien, "Public Health and its Relation to the Preservation of Natural Resources."
2. Dr. H. M. McClanahan, Omaha, "The Economic Importance of the Child to the State."
3. Dean Henry B. Ward, "Some Aspects of the History and Geography of Disease."
4. Dr. H. H. Waite, "How May the Spread of Infectious Diseases be Prevented?"
5. Dr. F. Creighton Wellman, Washington, D. C., "Health Problems for Caucasians in Colonizing the Tropics."
6. Prof. Geo. E. Howard, "Social Problems and Their Relation to Public Health."

In furtherance of the same idea the College of Medicine has aided in the formation within the Nebraska State Teachers' Association of an auxiliary section on "Popular Medical Education," the object being to discuss medical subjects of practical importance in our public schools. At the last annual meeting in Lincoln, November, 1908, the following program was given:

1. Dr. S. R. Towne, Omaha, "What Teachers Can Do to Develop Healthy Children."
2. Dr. H. H. Waite, "How We May Prevent the Spread of Infectious Diseases in Our School."
3. Dr. R. A. Lyman, "The Experimental Evidence Which Shows Us the Nature of the Action of Narcotics."
4. Dean Charles A. Fordyce, Teachers College, "A Plea for the Addition of Sexual Physiology to the High School Curriculum."

REVIEW COURSE FOR PRACTITIONERS

The College of Medicine aims to rank as representative of the most approved methods of medical instruction. Every opportunity for advance which the state will provide is utilized for the benefit of medical students and graduates. This, together with the fact that medical men more than any other class retain a sincere and earnest desire to keep abreast of the rapid progress in medical knowledge, has led the Board of Regents, at the instance of the medical faculty, to authorize the introduction of an annual review course of one week's duration open to all graduates of reputable medical schools. This course is planned along entirely new lines. It is not a post-graduate course in the ordinary acceptance of the term. It is a course in which a practitioner is able to make a more intimate acquaintance with prominent advances in medicine than is possible through the medium of text-books and journals. These courses are for practitioners only and are absolutely apart from those taken by medical students.

The course is given on the University campus in Lincoln,

and especial emphasis is laid on the laboratory side of medical questions in which such marvelous advance has been made within recent years. The second session of this course was held from April 26 to May 1, 1909. The third session will be held at about the same period in 1910. An announcement describing the work of the course will be sent in February to all persons applying.

LIBRARIES

IN OMAHA

The College Library contains about 1,000 volumes, including an up-to-date collection of text-books covering the entire range of medical science. This collection does not obviate the necessity of students having their own text-books, but offers greater opportunities for investigation of subjects in which they are specially interested. Periodical literature is also on file.

The Omaha Public Library contains 60,000 volumes, including a good medical library, the use of which is free to students in the College.

IN LINCOLN

The following libraries, aggregating 193,300 volumes, are accessible to students in Lincoln:

The University Library of 85,000 volumes is strong in those scientific lines wherein lies the first two years' work of the student of medicine. It includes special departmental libraries in botany, chemistry, hygiene, physiology, zoology, bacteriology, pathology, and medicine. It also includes the library of the Nebraska State Medical Society of 1,300 volumes.

The Lincoln City Library, of 26,000 volumes, also has an alcove devoted exclusively to medical literature.

The State Library of 65,000 volumes at the Capitol includes valuable medical works in certain lines.

The Nebraska State Historical Society Library of 16,000 volumes contains useful series of public documents, such as reports of state boards of health and of state hospitals and other institutions.

PUBLICATIONS

A quarterly bulletin containing papers embodying the results of original research is published and offered in exchange for similar publications which are desirable for the library.

SOCIETIES

The Alumni Association of the College of Medicine maintains an active and efficient organization, of advantage to both the graduates and the University. The annual meeting is held in Omaha on Commencement day. Members of the association are requested to notify the Registrar and the secretary of the association when they change their address.

The Medical Society of the University of Nebraska, at Lincoln, aims to increase professional spirit and to keep its members in touch with recent progress. Any student in the University at Lincoln looking forward to medicine is eligible to membership. Topics of general interest are taken up at the weekly meetings. Prominent men address the society monthly on topics of special interest. Besides promoting fellowship among students of medicine it also offers some social advantages in other directions.

FEES AND EXPENSES

All fees and charges are payable in advance to the secretary of the University in Lincoln or at the office of the associate dean at the College in Omaha. No part of the fees can be refunded to a student who leaves after the beginning of the fourth week of the session. Such refunds should be called for at the time of withdrawal from a course or from the University.

The schedule of fees in the College of Medicine is as follows:

Matriculation fee	\$5
Diploma fee	5
Diploma, "cum laude," fee.....	10
No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.	
Special certificate of standing.....	\$5

FIRST-YEAR AND SECOND-YEAR FEES

Tuition, first semester (or any single semester).....	\$25
Tuition, second semester.....	20
For Anatomy only, each semester.....	15

LABORATORY FEES

Anatomy 1, 2, 3.....each	\$10
Anatomy 4	3
Anatomy 8	5
Anatomy 11, 12.....graduated	
Bacteriology 1	8
Pathology 2	10
Chemistry A, B, 1, 2, 3, 4, 34.....each	5
Chemistry D	10
Embryology (Zoology 10)	4 or 6
Histology (Zoology 9)	6
Pharmacodynamics 1, 2.....each	4
Physiology 1, 2.....each	3
Physiology 3	4
Zoology 1, 2, general and medical.....each	2
Demonstration courses	10

JUNIOR YEAR—OMAHA

Fees for all required exercises, including all laboratory and clinic fees	\$80
Breakage deposit	10
Examination fee	10

SENIOR YEAR—OMAHA

Fees for all required exercises, including laboratory and clinic fees..	\$80
Breakage deposit	10
Examination fee	10

Breakage in the laboratory and damage to the college property are charged to the individual or class responsible. In case the damage can not be located, it is charged the class pro rata.

All fees are payable strictly in advance when the session opens. A student is not entitled to appear for any one of his final examinations until all his fees are paid.

A graduate of any recognized medical college who desires to attend the Omaha clinical work of the University of Nebraska College of Medicine may do so by paying a fee of \$10.

In Omaha board and lodging cost from \$3 to \$5 a week. By means of clubs students materially reduce this expense. The Young Men's Christian Association issues to students in the College of Medicine special season tickets at a very small cost, granting the privileges of the association's building—baths, gymnasium, parlors, lectures, and concerts. Elegantly equipped rooms may be rented at reasonable prices. The location relative to the College makes the Young Men's Christian Association building a convenient home for the students.

In Lincoln board and lodging may be secured in private families for from \$3 to \$5 a week. There are also numerous student clubs. The Young Men's Christian Association and the Young Women's Christian Association of the University

keep lists of boarding places. The Young Men's Christian Association of the University also maintains under the direction of the Registrar an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

GENERAL COLLEGE PRIVILEGES

Students in the College of Medicine have the privileges of other students in the University. The gymnasium is in charge of experts in physical training who advise each student as to the character and amount of physical exercise adapted to his case. For engaging in athletics there is abundant opportunity. Military drill is also offered.

SIX-YEAR COMBINED COLLEGIATE AND MEDICAL COURSE

The entrance requirements are given in the announcement for the College of Arts and Sciences.

Whenever possible, the student is advised to take this combined course, which leads to the bachelor's degree at the conclusion of four years, and to that of Doctor of Medicine at the end of six years. The work in Lincoln is known as that of the pre-medical group, which was adopted by the Board of Regents, April, 1902. The work of the group lays a broad foundation for the technical work of the last two years and gives the student not only the best possible training, but also the advantage of possessing the bachelor's degree.

If one wishes to complete both courses within six years, it is not possible to deviate materially from the program outlined below.

Details in regard to the non-technical courses which appear in this schedule, such as rhetoric, should be secured from the announcement of the undergraduate college.

FIRST YEAR

	1st Semester Hours	2d Semester Hours
General and Inorganic Chemistry (Chemistry 1, 2)	2	2
Physics 1, 2.....	3	3
Modern Language (German).....	5	5
General and Medical Zoology (Zoology 1, 2).....	3	3
Rhetoric 1, 2.....	2	2
Osteology (Zoology 8a).....	2	2
Military Drill	1	1
	—	—
	16	18

SECOND YEAR

Physics 3, 4.....	2	2
Organic Chemistry (Chemistry 3, 4).....	3	3
Invertebrate and Vertebrate Morphology (Zool- ogy 5, 8).....	4	4
Modern Language (German or French).....	5	5
Botany 1, 2.....	3	3
Military Drill	1	1
	—	—
	18	18

THIRD YEAR

General and Practical Anatomy (Anatomy 1, 2)...	4	4
Neurology (Anatomy 8).....		2
General Physiology (Physiology 1, 2).....	2	2
Histology and Embryology (Zoology 9, 10).....	4	2 or 3
Philosophy 1	3	
Physical and Physiological Chemistry (Chemistry 25, 34)	2	4
History of Medicine 1, 2.....	1	1
	—	—
	16	15 or 16

FOURTH YEAR

	1st Semester Hours	2d Semester Hours
Regional, Practical and Applied Anatomy (Anatomy 3, 4).....	4	3
Advanced Physiology (Physiology 3).....	3	
Pharmacodynamics	2	2
Bacteriology	4	
Pathology 2		6
Clinical Diagnosis (Pathology 4).....		1
Urinary Analysis and Toxicology (Chemistry 41)	4	
Demonstration Courses		2
Required Elective*		3
	<hr/> 17	<hr/> 17

FOUR-YEAR MEDICAL COURSE

The course embraces four years of graded instruction, eight to nine months each, outlined in the following synopsis. To this course all students must conform. The year is divided into two semesters, approximately eighteen weeks each.

Examinations are held at the end of each year in all the work covered. Students failing in any of the final examinations of the year must pass such examinations either at the opening of the ensuing session or during the Christmas vacation following. Students failing in more than one-third of the work must take the entire work again.

FRESHMAN YEAR

	1st Semester Hours	2d Semester Hours
General and Practical Anatomy (Anatomy 1, 2)...	4	4
Anatomy of the Nervous System (Anatomy 8)...		2
Organic and Physiological Chemistry (Chemistry 3a, 34)	3	4
General Physiology (Physiology 1, 2).....	2	2
Histology and Embryology (Zoology 9, 10).....	4	2
History of Medicine.....	1	1
	<hr/> 14	<hr/> 15

*The required elective is a three-hour course to be taken in any department in the College of Medicine elected by the student, the character of the work to be determined by consultation between the head of the department and the student.

SOPHOMORE YEAR

	1st Semester Hours	2d Semester Hours
Regional, Practical and Applied Anatomy (Anatomy 3, 4).....	4	3
Advanced Physiology (Physiology 3).....	3	
Urinary Analysis and Toxicology (Chemistry 41)	4	
Pharmacodynamics	2	2
Bacteriology	4	
Pathology 2		6
Clinical Diagnosis (Pathology 4).....		1
Demonstration Courses		2
Required Elective*		3
	—	—
	17	17

JUNIOR YEAR

Special Pathology	1	1
Therapeutics	2	2
Sanitation and State Medicine.....	0	1
Surgical Anatomy	1	0
Physical Diagnosis	2	2
Medicine	4	4
Surgery	4	4
Obstetrics	2	2
Bandaging and Dressing.....	1	1
Prescription-Writing, Electro-Therapeutics	1	1
Pediatrics	1	0
Ophthalmology and Otology.....	0	1
	—	—
	19	19

*The required elective is a three-hour course to be taken in any department in the College of Medicine elected by the student, the character of the work to be determined by consultation between the head of the department and the student.

SENIOR YEAR

	1st Semester Hours	2d Semester Hours
Clinical Laboratory	2	2
Nose and Throat.....	1	1
Gynecology	2	2
Surgery Conference and Practice.....	3	3
Obstetrics	2	2
Mental and Nervous Diseases.....	1	1
Dermatology	1	1
Therapeutics	1	1
Jurisprudence	0	1
Life Insurance Examination.....	1	0
Ophthalmology and Otology.....	1	1
Medicine	3	3
	<hr/> 18	<hr/> 18

NOTE.—Dispensary and sectional clinics in addition thruout the year.

COURSES OF INSTRUCTION

ANATOMY

PROFESSOR WOLCOTT, ADJUNCT PROFESSOR POYNTER, DR. HILTNER, DR. WALKER, DR. WEKESER; IN OMAHA, ASSOCIATE PROFESSOR STOKES

This department aims to present the subject of human anatomy in a thoroughly scientific manner. The laboratory work is done under constant surveillance. The modeling of bones and drawing of them and of soft parts from the subject as exposed in dissection are also prescribed in the course. The student is required to take frequent individual quizzes upon the cadaver; to demonstrate all parts dissected to a demonstrator; to attend class quizzes two or three times a week; and to pass occasional review quizzes and an individual oral final examination. The lectures supplement the laboratory work, dealing with such facts from embryology, comparative vertebrate anatomy, etc., as will add breadth to the students' view of the field.

The work in anatomy is preceded by courses in general zoology and comparative vertebrate anatomy and are so arranged as to secure a logical development of the subject. In the first year of the course the ground covered is osteology, and the anatomy of the arm, leg, trunk-wall, and urino-genital organs (Anatomy 1, 2), together with the central nervous system (Anatomy 8). In the following year the practical work is finished in the first semester by the study of the head, neck, and viscera (Anatomy 3), while in the second semester is given a general review of the subject of descriptive anatomy (Anatomy 3), together with regional and topographical anatomy (Anatomy 4); the last leads up to surgical anatomy in the junior year (Anatomy 5, 6), and thus the student comes directly to the application of the subject in clinical work.

The laboratory occupies rooms for lectures and quizzes, for osteology, for dissection, locker-room, preparation room, and store rooms. The dissecting room is divided into small rooms, one for each table, each under a large skylight and each provided with electric lights for dark days. To assist the student in his work, charts, models, anatomical preparations and carefully selected works of reference are close at hand for ready consultation.

COURSES

1. **General and Practical Anatomy**—Introductory principles; general descriptive anatomy. Laboratory work; osteology; dissection of human arm, leg, and trunk, exclusive of the viscera; urino-genital organs. One hour lecture. Two hours quiz. Eight hours laboratory. Four hours credit if taken in full; three hours if taken by those who have previously completed osteology (Zoology, 8a) or its equivalent. First semester, freshman year.

PROFESSOR WOLCOTT, ADJUNCT PROFESSOR POYNTER AND DEMONSTRATORS

2. **General and Practical Anatomy**—1 continued. Second semester.

3. **Advanced Practical Anatomy**—Laboratory work; dissection of head, neck, and viscera. Three hours quiz. Eight hours laboratory. Four hours credit. First semester, sophomore year. General review quiz, second semester.

PROFESSOR WOLCOTT, ADJUNCT PROFESSOR POYNTER AND DEMONSTRATORS

4. **Applied Anatomy**—Lectures and demonstrations on the cadaver; regional and topographical anatomy; relationships of anatomic details; practical application. Two hours attendance. Second semester, sophomore year. Two hours credit.

ADJUNCT PROFESSOR POYNTER

5. **Surgical Anatomy**—Lectures, illustrated by charts, models and museum specimens; practical work on the cadaver. Designed to apply anatomy to surgery. Two hours lecture. First semester, junior year.

ASSOCIATE PROFESSOR STOKES

6. **Experimental Surgery**—Intended to familiarize student with principles of surgical technique and asepsis by actual operations performed on animals, and done with the same care as on the human body. Optional for juniors, second semester. Three hour clinic.

ASSOCIATE PROFESSOR STOKES

8. **Anatomy of the Nervous System**—Including a study of the organs of special sense. One hour quiz. Four hours laboratory. Two hours credit. Second semester, freshman year.

PROFESSOR WOLCOTT

11. **Advanced Anatomy**—For those who have had Anatomy 1, 2 and 3, or a complete dissection of the body, and who desire to review the subject or to cover the anatomy of certain regions. Credit from two to five hours. Fee graduated. First semester.

PROFESSOR WOLCOTT

12. **Advanced Anatomy**—Continuation of course 11. Second semester.

PROFESSOR WOLCOTT

BACTERIOLOGY AND PATHOLOGY

PROFESSOR WAITE, DOCTOR PILSBURY, MR. EMERSON

BACTERIOLOGY

This course aims to build a firm foundation for the subsequent practical work in bacteriology. The study of form, structure, multiplication, requirements of growth and the chemical products is followed by applying the facts acquired to fermentation and putrefaction. In the latter half of the course pathogenic organisms are dealt with exclusively. The various ways in which bacteria gain entrance to the body, the changes which they bring about, and their final removal from the body are thoroughly explained. Attenuation and immunity are carefully discussed. Each of the bacterial diseases is then considered from the point of view of etiology. In the laboratory the preparation of culture media is first taken up. This is followed by a study of their growth on the various media. By these means both non-pathogenic and pathogenic organisms are isolated and identified. A thorough grounding in disinfection and sterilization is required by practical application of the principles discussed in lecture. Animals are inoculated in the presence of the class, which is required to isolate the organisms from the tissues of the animal and grow them in pure culture. Special attention is given to the practical bearing of methods of bacteriological diagnosis.

1. **Bacteriology**—Four hours lecture and quizzes. Eight hours laboratory. Four hours credit. First semester, sophomore year.

PROFESSOR WAITE

PATHOLOGY

The subject of general pathology is thoroughly reviewed. The origin of disease, disturbances of circulation, retrograde changes, inflammation and tumors are carefully studied. In conclusion the diseases of special organs are taken up according to their relative importance. In the lab-

oratory the student is required to identify about one hundred and fifty specimens, and, with the aid of the instructor, work out departures from the normal. From the facts thus acquired a diagnosis is made. Descriptions of all sections and drawings of all typical specimens are required to familiarize the student with recording changes seen and to train him in accuracy of observation.

COURSES

2. **Pathology**—Five hours lecture and quizzes. Eight hours laboratory. Six hours credit. Second semester, sophomore year.

PROFESSOR WAITE

4. **Clinical Diagnosis**—Normal and pathological blood, urine, gastric fluid, feces and sputum. Blood is studied carefully in relation to its value in diagnosis; laboratory methods of staining, counting and observation of all kinds of blood. Routine work in examining normal and pathologic gastric secretions, urine, and feces; special investigations on the relation of metabolism in health and disease to ingesta and excreta. Clinical and bedside observations; elucidate application of such methods. Two hours attendance. One hour credit. Second semester, sophomore year.

DOCTOR EVERETT

CHEMISTRY

HEAD PROFESSOR AVERY, PROFESSOR DALES, ADJUNCT PROFESSOR FOSSLER,
ADJUNCT PROFESSOR BORROWMAN, MISS GRAHAM

A general survey of chemistry, inorganic and organic, including the nature of chemical processes and the use of apparatus.

Instruction by the lecture-laboratory method.

Advanced students having the necessary experience and knowledge do research work under guidance.

COURSES

- A. **General Chemistry**—This course is designed to give a general view of chemistry. The lectures are highly illustrated with experiments and the fundamental principles of the science are emphasized. The non-metallic elements are given special consideration. Three hours lecture. Four hours laboratory. Three hours credit. First semester.

PROFESSOR DALES

B. General Chemistry—Continuation of A. Especial attention is given to the metallic elements, the more common organic compounds and the applications of chemistry to every-day life. Prerequisite: A. Three hours lecture. Four hours laboratory. Three hours credit. Second semester. PROFESSOR DALES

D. The Non-Metallic Elements—Including the general principles of chemistry. The course is designed especially for those whose program of studies does not permit them to carry A and B before registering for 1. Such students will attend the same lectures as are given in A, and in addition one hour quiz at a time to be arranged. Three hours lecture. One hour quiz. Eight hours laboratory. Four hours credit. First semester.

PROFESSOR DALES

(NOTE: A and B are not to be confused with courses of the same designation previously given. These courses are designed to present the subject to students in the College of Arts and Sciences and in the Teachers College. No previous training in chemistry is required. The course previously termed A is now replaced by course D, while the older B is now designated combined 1 and 2.)

In general, students desiring to study chemistry who enter the University with two points credit should register for Chemistry 1. Students with less than two points are expected, unless advised otherwise, to register as follows: Those in the College of Arts and Sciences and in the Teachers College will register for A. Students in the College of Engineering, and the College of Medicine will register for D.)

1. Qualitative Analysis—Elementary course required of technical and scientific students. Must be preceded by Course D or its equivalent (see announcement for College of Arts and Sciences and the College of Engineering). Two hours attendance. Four hours laboratory. Two hours credit. First semester, freshman year.

ADJUNCT PROFESSOR BORROWMAN

2. Qualitative Analysis—1 continued. Introduction to quantitative analysis included. Elementary course required of technical and scientific students. Prerequisite: Course 1. Two hours attendance. Four hours laboratory. Two hours credit. Second semester, freshman year.

ADJUNCT PROFESSOR BORROWMAN

- 1 and 2 (combined course). **Qualitative Analysis.** Four hours attendance. Eight hours laboratory. Four hours credit. Second semester.

PROFESSOR DALES

3. **Elementary Organic Chemistry**—The important classes of organic substances. Preparation, in laboratory, of typical compounds. Three hours attendance. Six hours laboratory. Three hours credit. First semester, sophomore year.

ADJUNCT PROFESSOR FOSSLER

- 3a. **Organic Chemistry**—The aliphatic and benzene derivatives as given in courses 3 and 4, abbreviated for four-year medical and dental students only. Three hours lecture. Six hours laboratory. Three hours credit. First semester, freshman year. MISS GRAHAM

4. **Elementary Organic Chemistry**—3 continued. Second semester.

25. **Physical Chemistry**—Elementary course; the general principles of physical chemistry with applications to chemistry and to other sciences. Required in six-year course; elective in four-year course. Two hours credit. First semester.

PROFESSOR DALES

34. **Physiological Chemistry**—The organic compounds and chemical processes of physiological importance. Four hours attendance. Eight hours laboratory. Four hours credit. Second semester, sophomore year.

ADJUNCT PROFESSOR FOSSLER

41. **Urine Analysis and Toxicology**—Chemical composition of urine in health and in disease; methods for the detection of abnormal constituents; physiological properties of and methods for detecting poisons. Must be preceded by courses 1, 2, 3 and 4. Four hours lecture. Eight hours laboratory. Four hours credit. First semester.

ADJUNCT PROFESSOR FOSSLER

HISTORY OF MEDICINE

DOCTOR ORR

1. **History of Medicine and Medical Literature**—Lecture and study course dealing with men who have contributed to medical knowledge from the earliest times to the present. One hour lecture. One hour credit. First semester, freshman year.

DOCTOR ORR

2. **History of Medicine and Medical Literature**—1 continued. Development of medicine in its different branches as an abstract department of knowledge. Reading and note-taking. Special study of library methods and medical literature, medical cataloging and bibliography. One hour lecture. One hour credit. Second semester, freshman year. DOCTOR ORR

HYGIENE AND STATE MEDICINE

PROFESSOR TOWNE, PROFESSOR CLAPP

1. **Hygiene**—Brief history. Digestion: foods, their source, digestibility and value. Stimulants and narcotics. Care of the eye. Respiration and circulation. Advantages of regular exercise. Bathing and clothing. Water supply and its relation to health. Air and ventilation. Heating, lighting, drainage, plumbing and sewage—both private and municipal. Special physiology and personal purity. Two hours attendance. Two hours credit. First semester. Required only in the six-year course. PROFESSOR CLAPP

SANITATION AND STATE MEDICINE

3. **Sanitation and State Medicine**—Relation of medical profession to public health. Theoretical consideration. Results of practical experience. Quarantine regulations of Nebraska. Air, water, climate, soil, heating, ventilation. Municipal and private water supply. Milk and food; sewage, disposal of waste. Public and private management of transmissible diseases. Epidemics, contagion, and disinfection. Two hours lecture. First semester, junior year. PROFESSOR TOWNE

4. **Sanitation and State Medicine**—3 continued. Second semester.

PATHOLOGIC ANATOMY AND CLINICAL PATHOLOGY

ASSOCIATE PROFESSOR WOOLLEY

The course in general and special pathologic anatomy and histology is specially designed to apply to the principles of general pathology, to organic and systemic abnormal alterations, and to bring out the close relations of these alterations to clinical symptoms.

Instructions by the lecture-laboratory method, each exercise being a didactic quiz.

Each student is required to write a résumé on some assigned subject and to present it before the class.

In addition to this all the students attend and assist at autopsies, make a study of the gross pathologic appearance and later see sections of the tissue.

The work in Clinical Pathology covers examinations of blood, feces, urine, gastric contents, sputum, and other secretions and excretions from the chemical and microscopical standpoints. Especial attention is paid to the study of normal and pathologic blood, in fresh and stained conditions.

1. **Pathologic Anatomy**—Lectures, demonstrations and quizzes in special pathology, post mortem technique and gross pathology. Two hours. First semester, junior year.

ASSOCIATE PROFESSOR WOOLLEY

2. **Pathologic Anatomy**—1 continued. Second semester.

3. **Pathologic Anatomy**—Conferences on current problems of general and special pathology for half the class. Two hours. Second semester, junior year.

ASSOCIATE PROFESSOR WOOLLEY

4. **Clinical Diagnosis**—First semester, junior year, two hours lectures and demonstrations. Some work outside of regular hours is also required.

ASSOCIATE PROFESSOR WOOLLEY

5. **Clinical Diagnosis**—Members of the senior class examine specimens, obtained from clinical cases, in the laboratory under the supervision of the professor in charge and report to the professor holding the clinic. First semester, senior year.

ASSOCIATE PROFESSOR WOOLLEY

6. **Clinical Diagnosis**—5 continued. Second semester.

PHARMACODYNAMICS

PROFESSOR LYMAN

The physiological action of the principal drugs used in medicine are studied in detail. The laboratory work consists of the injection of a drug into a lower animal. The amount necessary to produce the physiological effect is watched and the changes produced in the vital phenomena are observed. Finally the application of the drug is considered. Sufficient time will also be given to the subject to thoroughly familiarize

the student with the preparations of various drugs and their comparative values, methods of administration and conditions which influence their action.

1. **Pharmacodynamics**—Combined lecture, demonstration, and laboratory course. Two hours credit. First semester, sophomore year.
ASSOCIATE PROFESSOR LYMAN
2. **Pharmacodynamics**—1 continued. Second semester, sophomore year.
ASSOCIATE PROFESSOR LYMAN

PHYSIOLOGY

PROFESSOR GUENTHER

A consideration of the facts and theories underlying the functions of muscle and nerve, of secretion, digestion, absorption, blood and lymph, circulation, respiration, animal heat, metabolism, the central nervous system, special senses and reproduction.

1. **General Animal Physiology**—Combined lecture, demonstration and laboratory course. Two hours quiz. Three hours laboratory. Two hours credit. First semester, freshman year.
PROFESSOR GUENTHER
2. **General Animal Physiology**—1 continued. Second semester.
3. **Advanced Physiology**—Three hours quiz. Three hours laboratory. Three hours credit. First semester, sophomore year.
PROFESSOR GUENTHER

THERAPEUTICS

PROFESSOR CRUMMER, DOCTOR JEFFERSON, DOCTOR MANNING

1. **Therapeutics**—All drugs which under the test of modern investigation have been found useful in treatment of disease and disease symptoms. Direct application of the scientific data obtained thru pharmacodynamics to the alleviation of suffering. Questions of treatment considered as matters of direct argument from physiology and pathology rather than as mere memory work. Assigned reading given out on each special topic before the lecture. Personal quizzing; prescription writing demanded as a part of each quiz. One hour a week. First semester, junior year.
DOCTOR MANNING

2. **Therapeutics**—1 continued. Second semester, junior year.

DOCTOR MANNING

3. **Therapeutic Measures Other Than Drugs**—Importance of many forms of mechanical, physical and hygienic treatment of recent emphasis in therapeutics. Indication and application of these various measures. Hygiene, diet, massage, exercise, newer ideas of mechanical therapeutics; newer developments of immunity and serum treatment. One hour lecture or quiz. First semester, junior year.

DOCTOR JEFFERSON

4. **Therapeutics**—3 continued. Second semester, junior year.

DOCTOR JEFFERSON

5. **Advanced Therapeutics**—Practical course. Necessity for definite plans of treatment based upon logical reasoning shown in the more prominent diseases. Will embrace the direct application of all forms of therapeutic aid. Lectures and quizzes. As full clinical practice by student as possible in necessary therapeutic manipulations, such as catheterization, anesthetization, etc. In clinics special attention paid to analyzing cases for therapeutic indications. One hour a week. Senior year.

PROFESSOR CRUMMER

6. **Advanced Therapeutics**—5 continued. One hour a week. Senior year.

PROFESSOR CRUMMER

7. **Seminar in Therapeutics**—Arranged at opening of school year. Each student will make an investigation and report upon some of the modern specialized forms of therapeutics, such as Nauheim treatment, Carlsbaad treatment, Finsen treatment. Careful investigation of the topic; criticism by the instructor. Report to class. Class discussion. Senior year. By appointment.

PROFESSOR CRUMMER

ZOOLOGY

HEAD PROFESSOR WARD, PROFESSOR WILLARD, ASSOCIATE PROFESSOR BARKER, ASSOCIATE PROFESSOR POWERS, AND ASSISTANTS

The laboratory has Zeiss and Leitz microscopes, Reinholt-Giltay, Minot and Thomas microtomes, Lillie and Naples paraffin baths, and all necessary subsidiary apparatus. The departmental library adjacent and freely accessible contains 2,000 works on animal morphology and physi-

ology. A series of specimens from the Naples Zoological Station—one of injected tissues by Thiersch and embryological models by Ziegler and Dahlgren—are among the illustrative material.

GENERAL AND MEDICAL ZOOLOGY

1. **Introduction to Animal Biology and Medical Zoology**—Fundamental properties of protoplasm. Structure and activities of the cell. Its division. Maturation and fertilization of reproductive cells. Development and differentiation into germ layers, tissues, organs, and animals. Study of animals of special interest in clinical work, as hæmatozoa and helminthes. Two hours lecture and quiz. Four hours laboratory. Three hours credit. First semester, freshman year (in six and five-year courses).

ASSOCIATE PROFESSOR POWERS

2. **Introduction to Animal Biology and Medical Zoology**—1 continued. Second semester.
- A. **Introduction to Animal Biology and Medical Zoology**—For those who enter with the opening of the second semester. Equivalent to courses 1 and 2. Five hours lectures and quiz. Eight hours laboratory. Five hours credit. ASSOCIATE PROFESSOR BARKER

17. **Animal Parasites of Man**—Laboratory study, with assigned reading. Two hours credit. Elective, first semester, sophomore year.

HEAD PROFESSOR WARD

28. **Parasites of Man**—Various forms of entozoa chiefly; their relation to disease; demonstrations and assigned collateral reading. Two hours attendance. Two or three hours credit. Elective, second semester, sophomore year.

HEAD PROFESSOR WARD

HISTOLOGY AND EMBRYOLOGY

9. **Normal Histology**—Microscopical structure of tissues and organs, illustrated with drawings, models and demonstrations with lantern and projection microscope. Two hours lecture and quiz. Eight hours laboratory. Four hours credit. First semester, freshman year.

PROFESSOR WILLARD

10. **Vertebrate Embryology**—Survey of general embryology. Review of development of man. Laboratory work on the frog, chick and pig. Methods of graphic and plastic reconstruction. Two hours

lecture and quiz. Four or eight hours laboratory. Two or three hours credit. Second semester, freshman year.

PROFESSOR WILLARD

DEMONSTRATION COURSES

DOCTOR ORR, DR. LEHNHOFF

These courses are designed to serve as an introduction to the clinical instruction of the last two years. They are given in the second semester, sophomore year, each course running through five full weeks of actual instruction. Four hours attendance. Two hours credit.

a. **Physical Diagnosis**—Demonstration course. Methods of applying, for diagnostic purposes, knowledge gained in anatomical and physiological laboratories. Instruction in methods of examining patients and in the use of special appliances for physical diagnosis.

DOCTOR ORR

b. **Operative Technique**—Lectures and demonstrations. Introduction to study of surgery. Principles of asepsis, antisepsis and sterilization. Practical demonstrations of preparation of operator, field of operation, operating room, and instruments. Practical demonstrations on cadaver of methods of procedure in ligature of vessels, suturing of wounds, and amputations with special reference to topographical relations of parts involved.

DOCTOR LEHNHOFF

CLINICAL DEPARTMENT

CLINICAL INSTRUCTION

With cases in all departments of medicine and surgery the student is brought face to face. The 200,000 population of Omaha, South Omaha, and Council Bluffs, with their manufacturing industries, furnish the hospitals a great variety of cases in all branches of medicine and surgery. For instruction in accident and railway surgery there are unusual opportunities.

SECTION CLINICS

At the beginning of each year the senior class is divided into sections of three students each. Some of these attend section clinics daily at the various hospitals, each professor inviting the sections in regular rotation. These section clinics, both medical and surgical, afford extensive facilities for the most effective kind of clinical teaching—individual instruction. In physical diagnosis the student has ample practice, being required to make examinations and to reach a logical diagnosis. The instructor explains each case as fully as possible and then outlines the treatment. By this section-clinic method of instruction the student gets much more positive information than he can in the large general clinics.

JUNIOR YEAR

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8	Truelson Physical Diagnosis		Truelson Physical Diagnosis			Immanuel Hosp. (c) Davis Truelson Christie 9 to 12
9	Manning Therapeutics	Woolley Bacteriology Elective	Bliss Principles of Medicine	Jefferson Therapeutics	Jennie Edmundson Hospital	
10	Hollister Surgery Recitation	Truelson Medicine County Hospital	Edmiston Surgical Dressings and Bandaging	Pollard Obstetrics	Macrae Surgery	County Hospital (c) Schalek (a) Alkin (b) 8:30 to 9:30
11	Pollard Obstetrics Recitation		Pollard Obstetrics Recitation	Hollister Surgery Recitation	Treynor Medicine	Milroy (a) Bridges (b) Ludington (b) 9:30 to 11
1	Stokes Genito-Urinary and Rectal Surgery	McClanahan Christie Pediatrics Arena	Dispensary and Drug Room Section	Dispensary and Drug Room Section	Bliss Medicine Arena	
2		Davis Principles of Surgery	Peterson Medicine Recitation	Davis Principles of Surgery	Peterson Medicine Recitation	Woolley (a) Laboratory Pathology 2 to 4
3	Woolley Pathology Laboratory	Stokes (a) Surgical Anatomy	Hull Surgery Recitation	Christie (a) Pediatrics Recitation	Stokes (a) Surgical Anatomy	Stokes (b) Experimental Surgery Elective 1 to 5
4	Jensen (b) Electro- Therapeutics	Towne (b) Sanitation and State Medicine	Manning Therapeutics	Lemere (b) Ophthalmology and Otology	Towne (b) Sanitation and State Medicine	
		Goetz Medicine Recitation	Goetz Medicine Recitation		Hull Surgery Recitation	

(a) First Semester. (b) Second Semester. (c) Alternate Months.

SENIOR YEAR

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8	Clinical Laboratory				Clinical Laboratory	Immanuel Hosp. (c)
9	Owen Laryngology and Rhinology	Milroy Medicine Confer- ence	Jonas Surgery Methodist Hospital	Findley Gynecology Clarkson Hospital	Owen Laryngology and Rhinology Hoffman Goetz Medicine Wise Hospital	Davis Truelson Christie 9 to 12
10	Findley Gynecology	Stokes Genito-Urinary and Rectal Surgery	Bridges Medicine Methodist Hospital			County Hospital (c)
11	Jonas Surgery Conference	Jonas Practice of Surgery		McClanahan Pediatrics	Morison Surgery	Schalek (a) Aikin (b) 8:30 to 9:30
1	Stokes Genito-Urinary and Rectal Surgery	McClanahan Christie Pediatrics Arena or Child Saving Institute	Woolley Methodist Hospital Clinical Laboratory	Schalek (b) Glick (a) Dermatology	Bliss Medicine Arena	Milroy (a) Bridges (b) Ludington (b) 9:30 to 11
2	Somers Obstetrics	Aikin Nervous Diseases	1 to 2:30 Methodist Hospital Clinical Laboratory	Crummer Therapeutics	Somers Obstetrics	
3	Ludington Medicine	Ward (a) Parasitic Diseases Mogridge (b) Arrested Develop- ment	Gifford Ophthalmology and Otology Methodist Hospital	Findley Gynecology	Cloyd (a) Life Insurance Ex- aminations Moore (b) Mental Diseases	
4	Page (b) Medical Jurisprudence	Bridges Medicine Confer- ence	2:30 to 4 Methodist Hospital		Ramsey Fractures and Dis- locations	
				Morison (c) Operative Surgery		

(a) First Semester. (b) Second Semester. (c) Alternate Months.

HOURS DEVOTED TO EACH SUBJECT—CONCLUDED

(On the basis of thirty-two weeks of actual instruction in each year)

	First Year		Sec'd Year		Third Year				Fourth Year			Entire Course				Total.
	Lect. and Recit.	Laboratory.	Lect. and Recit.	Laboratory.	Lect. and Recit.	Laboratory.	Clinics.	Dispensary.	Lect. and Recit.	Clinics.	Laboratory.	Lect. and Recit.	Laboratory.	Clinics.	Dispensary.	
Sanitation and Hygiene.....	.....	.....	.....	.....	28	.....	.....	.....	.....	.....	.....	28	.....	.....	.....	28
Gynecology.....	.....	.....	.....	.....	.....	.....	.....	.....	72	30	24	72	24	30	.....	126†
	(Assignment to Dispensary.)															
Obstetrics.....	.....	.....	.....	.....	90	.....	.....	.....	60	.....	.....	150	.....	.....	.....	†150†
	(Assignment to Cases, Manikin Demonstrations, etc.)															
Diseases of Eye and Ear..	.....	.....	.....	.....	14	.....	.....	.....	30	45	.....	44	.....	45	.....	89†
	(Assignment to Dispensary.)															
Diseases of Nose and Throat .....	.....	.....	.....	.....	.....	.....	.....	.....	48	15	.....	48	.....	15	.....	63†
	(Assignment to Dispensary.)															
Mental and Nervous Diseases .....	.....	.....	.....	.....	.....	.....	.....	.....	30	15	.....	30	.....	15	.....	45†
	(Assignment to Dispensary.)															
Pediatrics.....	.....	.....	.....	.....	16	.....	.....	.....	30	30	.....	46	.....	30	.....	†76†
Dermatology.....	.....	.....	.....	.....	.....	.....	.....	.....	30	15	.....	30	.....	15	.....	45†
	(Assignment to Dispensary.)															
Genito-Urinary Diseases.....	.....	.....	.....	.....	.....	.....	.....	.....	30	30	.....	30	.....	30	.....	60
Medical Jurisprudence...	.....	.....	.....	.....	.....	.....	.....	.....	14	.....	.....	14	.....	.....	.....	14
Drug Room and Dispensary.....	.....	.....	.....	.....	.....	.....	.....	150	.....	.....	120	.....	120	.....	150	270
	368	864	432	656	810	270	268	150	528	360	144	2138	1934	628	150	4850
Total for each year...	1232*	1088	1088	1088	1498	1498	1498	1498	1032	1032	1032	4850	4850	4850	4850	4850
	1st yr.	2d yr.	3d yr.	3d yr.	4th yr.	4th yr.	Entire Course	Entire Course	Entire Course	Entire Course	Entire Course	Entire Course	Entire Course	Entire Course	Entire Course	Entire Course

NOTES.—*The time actually spent on the first year's work is usually less, since part of the studies have been anticipated by all who take the five or six year college course.

†Assignment to cases in addition to time given.

††The time assigned to these departments is really greater, since they share in the dispensary work, etc. It is difficult to reduce this to figures, but it constitutes a very important part of the course.

INTERNAL MEDICINE

PROFESSOR BRIDGES, PROFESSOR MILROY, PROFESSOR TREYNOR, PROFESSOR
WARD, DOCTOR PETERSON, DOCTOR GOETZ, DOCTOR BLISS
CLINICAL ASSISTANT: DOCTOR TRUELSEN

1. **Physical Diagnosis**—General principles. Demonstrations of topography of head, chest, and abdomen. Physical signs in health learned by direct personal examination. Lectures treat of normal conditions. Two hours lecture and recitation. First semester, junior year.
DOCTOR TRUELSEN
2. **Physical Diagnosis**—1 continued. Physical signs in disease, and their clinical demonstration on cases taken from dispensary and hospital wards. Second semester, junior year. Three hours.
DOCTOR TRUELSEN
3. **Internal Medicine**—General diseases, including infections and diseases of stomach and intestines, lungs and kidneys. All diseases pertaining to internal medicine; regular recitations held thereon afford theoretical knowledge of the etiology, pathology, symptomatology, diagnosis, and treatment of disease. In clinic in College building the cases are selected from out-door dispensary, and usually represent seasonable diseases of ambulatory type. First semester, junior year. (a) One hour lecture. DOCTOR BLISS. (b) Four hours recitation. DOCTORS PETERSON and GOETZ. (c) One hour clinic. DOCTOR BLISS. Two hours clinic, Douglas County Hospital or Immanuel Hospital. PROFESSOR MILROY, DOCTOR LUDINGTON, DOCTOR TRUELSEN.
4. **Internal Medicine**—3 continued. Second semester.
5. **Internal Medicine**—Includes subjects not lectured on in junior year. Elucidation of cases seen in hospital clinics, and of cases in private practice, illustrative of the subjects under consideration. Two hours weekly in conference. Members of senior class in rotation assigned cases for examination and study in dispensary clinic or at one of the affiliated hospitals, report thereon before class and professor. Full discussion and report of case follow; etiology, pathology, symptoms, diagnosis, prognosis, and treatment discussed. One clinic each week in College building, on cases selected from the large amount of material furnished by the

dispensary. Two hours weekly at the Douglas County Hospital or the Immanuel Hospital; two hours weekly at the Methodist Hospital. Careful direction here given to elaboration of clinical histories and to physical examination of chest and abdomen. Sputum, urine, and blood of patients examined by sections of the class in the college laboratory under direction of professor of pathology and reports made thereon. First semester, senior year. (a) One hour lecture. DOCTOR LUDINGTON. Two hours conference. PROFESSORS BRIDGES and MILROY. (b) Two hours clinics in the College. DOCTORS TRUELSEN and BLISS. (c) Four hours hospital clinics. PROFESSORS MILROY, BRIDGES, DOCTOR LUDINGTON, DOCTOR TRUELSEN.

6. **Internal Medicine**—5 continued. Second semester.

7. **Special Clinics**—To those clinics in above-mentioned hospitals, and also in the Jennie Edmundson Hospital, Council Bluffs, sections of the senior class are invited in rotation. Especial attention to diseases of the heart, lungs, and kidneys. The small classes are enabled to make close study of cases. First semester, senior year.
PROFESSORS BRIDGES, MILROY, and TREYNOR

8. **Special Clinics**—7 continued. Second semester.

9. **Animal Parasites and Parasitic Diseases**—Lectures on structure, life history, and distribution of those animals which stand in especial relation to the etiology and transmission of disease. Laboratory exercises and demonstrations on the animal parasites of man, with the technique of helminthological diagnosis. One hour lecture. First semester, senior year. PROFESSOR WARD

11. **Life Insurance Examinations**—The nature and growth of life insurance; elementary principles of life insurance; duties and responsibilities of examiners; influence of different diseases, heredity, occupation and habits on expectancy of life; proper technique in examining applicants for life insurance. First semester, senior year. DOCTOR CLOYD

SURGERY

PROFESSOR JONAS, PROFESSOR DAVIS, PROFESSOR MACRAE, JR., ASSOCIATE
PROFESSOR STOKES, DOCTOR HUNT, DOCTOR EDMISTON, DOCTOR
HULL, DOCTOR MORISON, DOCTOR HOLLISTER

1. **Principles of Surgery**—Principles of surgery; full description of the classification of tumors, their pathology, differentiation, relation to general diseases, manifestations, operative and non-operative methods of treatment. Subjects assigned for recitation covering lectures on principles of surgery, surgical pathology and tumors, the practice of surgery, surgical diseases, fractures and dislocations. In College Dispensary cases are presented for diagnosis, operation and treatment. At this clinic a considerable number of minor surgical cases receive attention, minor operations often being performed. Clinics at Douglas County and Immanuel Hospitals; operations for all manner of surgical diseases. Practical use of anesthetics, both local and general, considered at these clinics. First semester, junior year. (a) Two hours lecture. PROFESSOR DAVIS. (b) Four hours recitation. DOCTORS HULL and HOLLISTER. (c) Two hours dispensary clinic. One hour hospital clinic. PROFESSORS JONAS and DAVIS, DOCTORS HULL, MORISON and HOLLISTER.
2. **Principles of Surgery**—1 continued. Second semester.
3. **Bandaging**—Uses and application of bandaging, plaster of Paris (including its preparation) and other surgical dressings. Practical work under the direction of the instructor. One hour weekly. First semester, junior year. DOCTOR EDMISTON
5. **Practice of Surgery**—Covers part of ground gone over in recitations of junior year. References to observations in hospital clinics frequently recalled and elaborated to fix essential points in diagnosis and treatment. Subjects of hospital clinics brought up for conference in the class-room, when cases are more thoroughly discussed than the time allotted to operative work permits. Members of class in rotation assigned cases for examination, or illustrative cases cited upon which they are required to make reports on diagnosis, pathology, and treatment. Reports critically discussed in conference. Two hours general clinic at College Dispensary, principally on minor surgery, including exam-

ination, diagnosis, treatment and minor operations. Two hours at Nebraska Methodist Hospital in general and major surgery at which cases illustrative of the lecture course in practical surgery are thoroughly demonstrated, at which there are regular operation on all regions of the body. Two hours at Immanuel, Wise Memorial, or Douglas County Hospitals, also furnish opportunity for similar instruction. Members of the class required to assist at operations and administer anesthetics under direction as occasions arise. First semester, senior year. (a) One hour lecture. One hour conference. PROFESSOR JONAS. (b) Six hours clinics. PROFESSORS JONAS and DAVIS.

6. **Practice of Surgery**—5 continued. Second semester.

8. **Demonstrations**—Each member of the class individually instructed in performing surgical operations on the cadaver. He is required to master the details and steps of the more common operations necessary in practice, and is called on at times to perform ligations, amputations, excisions, celiotomies for various abdominal diseases, paracentesis, pleurotomy, rib resection, trephining. Second semester, senior year.

PROFESSOR JONAS, DOCTOR MORISON

9. **Section Clinics**—Special clinics by appointment in all of the hospitals mentioned above and the Jennie Edmundson Hospital, Council Bluffs. These clinics afford work in all branches of general and special surgery. First semester, senior year.

PROFESSORS JONAS, DAVIS, MACRAE, JR., AND
ASSOCIATE PROFESSOR STOKES

10. **Section Clinics**—9 continued. Second semester.

12. **Oral Surgery**—Short course of lectures on the surgery of the mouth, in its relation to diseases of the teeth and alveolar processes; care of teeth and influence of neglect of mouth in production of general and stomach disorders. Second semester, senior year.

DOCTOR HUNT

13. **Laboratory Course in Surgical Pathology**—Gross and microscopic specimens demonstrated from a diagnostic point of view.

DOCTORS HOLLISTER AND KENNEDY

ORTHOPEDIC SURGERY

1. **Orthopedic Surgery**—Various deformities; diagnosis, pathology and treatment. Joint diseases; their mechanical and other treatment. Practical study of the subjects of the lectures at surgical clinics in Omaha and Douglas County Hospitals. Operative procedures and the study of progress in the cases treated. One hour lecture. First semester, senior year. PROFESSOR JONAS
2. **Orthopedic Surgery**—1 continued. Second semester.

GENITO-URINARY SURGERY

A systematic course, including the use of the cystoscope and endoscope, is given on the diseases affecting the genito-urinary organs. In the dispensary clinic the practical application of these instruments, the use of sounds, and local treatment of the mucous membrane of the urethra and bladder are studied. Section clinics at the Douglas County Hospital offer opportunities for the study of venereal diseases, including syphilis in all stages. Operations upon the perineum, testicle, prostate and bladder are performed with the assistance of members of the sections.

COURSES

1. **Genito-Urinary Surgery**—One hour lecture. One hour clinic. First semester, senior year. ASSOCIATE PROFESSOR STOKES
2. **Genito-Urinary Surgery**—1 continued. Second semester.
3. **Laboratory Demonstrations**—Practical demonstrations in laboratory on pathology of genito-urinary diseases. ASSOCIATE PROFESSOR STOKES OR ASSISTANT

OBSTETRICS

PROFESSOR SOMERS, ADJUNCT PROFESSOR POLLARD

For practical work in obstetrics the material is ample. Each student is shown one case during the last semester of the junior year, special advantages being afforded students remaining in the city during the summer months. An obstetric clinic from 2 to 4 p. m. Saturdays is in successful operation in connection with this department, at which the students are taught antepartum diagnosis, physiological and pathological pregnancy, and shown cases of interest that may be under observation at the time. All material at the Tinley Home and for six months of the year at the County Hospital is utilized for this purpose. Written reports

of all clinical obstetric work is required and every student must have reported at least five cases of confinement before coming up for graduation.

1. **Anatomy and Physiology of the Female Pelvic Organs**—Development of the ovum; hygiene and management of pregnancy, its signs, diagnosis and pathology. Subject of lectures assigned for study and recitation. Three hours recitation. First semester, junior year.
ADJUNCT PROFESSOR POLLARD
2. **The Theory and Practice of Obstetrics as Applied to Normal and Abnormal Labor**—Lectures illustrated by charts, diagrams and models. Three hours lecture. Second semester, junior year.
ADJUNCT PROFESSOR POLLARD
3. **Obstetrics**—Mechanism of labor, difficult labor, pathology of puerperal state, and the new-born child. Exercises on manikin in diagnosing position and presentation, including a review of mechanism of normal and abnormal labor. Two hours lecture. First semester, senior year.
PROFESSOR SOMERS
4. **Obstetric Surgery**—History and description of all obstetric operations with a demonstration of all necessary instruments and their uses. Two hours lecture weekly. Second semester, senior year.
PROFESSOR SOMERS
5. **Attendance on Obstetrical Cases**—The various lying-in hospitals, including the Douglas County Hospital, afford abundant opportunity for the assignment of obstetric cases to members of senior class under direction. During such attendance he is excused from the College exercises. Under direction and in presence of professor or one of his assistants, he makes examinations, both by abdominal and vaginal palpation, suggests diagnosis, studies the progress of labor, and, in case operative procedure is necessary, witnesses and assists at operations. Practical use of anesthetics in labor. Second semester, junior year, and first semester, senior year.
PROFESSOR SOMERS, ADJUNCT PROFESSOR POLLARD
7. **Pathology**—Normal and morbid anatomy of placenta and pregnant and puerperal uterus. Practical demonstrations in the laboratory. First semester, junior year.
8. **Pathology**—7 continued. Second semester.

GYNECOLOGY

PROFESSOR FINDLEY, DOCTOR HOLLISTER. CLINICAL ASSISTANTS: DOCTOR JEFFERSON, DOCTOR FAIRCHILD

The instruction in diseases of women consists largely of practical demonstrations. The lectures are illustrated by stereopticon views of pathological lesions and operative procedures, and in order that the student may be thoroughly grounded in the essentials of diagnosis the lectures and clinics are supplemented by a laboratory course in gynecological diagnosis where gross and microscopic specimens of the various lesions of the female genitalia are demonstrated. The dispensary clinic, held daily in the College building, is regarded as a most important part of the clinical teaching. It is in these clinics that the student is trained in clinical diagnosis and where he may best be instructed in principles of treatment. One college clinic each week is held in the Wise Memorial Hospital throughout both semesters where cases are presented for diagnosis and treatment.

1. **Gynecology**—Subject covered by didactic lectures and oral and written quizzes two days weekly. Supplemented by epidiascope illustrations, demonstrations of instruments, casts and pathological specimens. One clinic each week at Clarkson Memorial Hospital, where cases are presented for diagnosis and operations. A special feature of the clinic is the opportunity given each student to make examinations under anesthesia. One hour each day devoted to clinics in the dispensary, where small groups of students are permitted to examine patients, to write histories, and to apply local treatments. First semester, senior year. (a) Lectures. PROFESSOR FINDLEY. (b) Demonstrations. PROFESSOR FINDLEY, DOCTOR HOLLISTER. (c) Hospital clinic. PROFESSOR FINDLEY, DOCTOR HOLLISTER. (d) Dispensary clinics. DOCTORS HOLLISTER, JEFFERSON, and FAIRCHILD.
2. **Gynecology**—1 continued. Second semester.
3. **Gynecological Diagnosis**—Laboratory course students referred to laboratory, where gross and microscopic pathology of gynecological lesions are studied. These demonstrations, together with the lectures and clinics, intended to supplement amphitheater discussions of pathology. Special stress upon microscopic diagnosis

of uterine scrapings and excised pieces. Opportunity is afforded students to do special laboratory work on fresh material from the clinics. First semester, senior year.

PROFESSOR FINDLEY, DOCTOR HOLLISTER

4. **Gynecological Diagnosis**—3 continued. Second semester.

OPHTHALMOLOGY AND OTOTOLOGY

PROFESSOR GIFFORD, DOCTOR LEMERE, DOCTOR PATTON

COURSES

1. **The Anatomy and Physiology of the Eye and Ear, and Practical Instruction in the Use of the Ophthalmoscope and Otoscope**—Opportunities to study in the dark rooms at the College dispensary the appearances of the normal fundus of the eye and of the drum membrane of the ear. One hour weekly. Second semester, junior year. DOCTOR LEMERE
3. **Ophthalmology and Otology**—External and internal diseases of the eye and ear and their differential diagnosis. The clinics furnish abundant cases illustrative of the lectures on the eye and ear. First semester, senior year. (a) One hour lecture. PROFESSOR GIFFORD. (b) Hospital clinic. One hour weekly. PROFESSOR GIFFORD. (c) Sectional clinic. DOCTOR LEMERE.
4. **Ophthalmology and Otology**—3 continued. Second semester.
5. **Elective Course**—General principles of spectacle-fitting for those especially interested. Either semester, senior year. DOCTOR PATTON

LARYNGOLOGY AND RHINOLOGY

PROFESSOR OWEN, DOCTOR WHERRY

1. **Laryngology and Rhinology**—Anatomy and physiology of the upper respiratory tract. Diseases of the nose, throat and larynx; their dependence upon and relation to various constitutional infections and dyscrasias. One hour lecture. First semester, senior year. PROFESSOR OWEN
2. **Laryngology and Rhinology**—1 continued. Second semester, senior year.

3. **Principles and Use of the Laryngoscope and Rhinoscope**—The practical application in a study of normal appearances of nose, throat, and larynx. Dark room with artificial light provided in the College dispensary. One hour weekly. First semester, senior year.

DOCTOR WHERRY

4. **Clinic**—Dispensary clinic furnishes material for study of diseases of the nose, throat and larynx. Having familiarized themselves with the normal appearance and the use of the instruments during the first semester, students are prepared for practical instruction in pathology, diagnosis, and treatment of diseased organs. Section clinics and operations in the Wise Memorial and Immanuel Hospitals. One hour weekly. Second semester, senior year.

PROFESSOR OWEN, DOCTOR WHERRY

DERMATOLOGY AND GENITO-URINARY DISEASES

PROFESSOR SCHALEK, DOCTOR KLICK

One conference weekly throughout the session dealing with cases demonstrated or reported to the class. At College dispensary students become familiar with the more common cutaneous diseases. The latest advances in syphilology and the use and indications of radiotherapy. A clinic weekly for one semester at County Hospital with abundant dermatological material. From time to time the students are taken to other hospitals to see patients at the bedside. A weekly recitation and quiz. Finely executed plates and photographs illustrating various diseases of the skin.

COURSES

1. **Dermatology**—Lecture one hour weekly. First and second semester, senior year.
- PROFESSOR SCHALEK
2. **Dermatology and Genito-Urinary Diseases**—Clinic at the County Hospital one hour weekly. Demonstration of patients. First and second semester, senior year.
- PROFESSOR SCHALEK
3. **Dermatology**—Recitation and quiz. Demonstration of plates and patients. One hour weekly, first and second semester, senior year.
- DOCTOR KLICK
4. **Hospital Clinics**—By appointment at the Methodist, Immanuel, and Clarkson Hospitals.

PEDIATRICS

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE

1. **Pediatrics**—Gastro-intestinal diseases, infections, dyscrasiae and important part played by errors of diet in their production. Milk modification in all its methods, including the working out of percentages. The history and technique of intubation. Clinics at College Dispensary where many cases of ordinary affections of infancy and childhood appear, furnish practical applications. One hour lecture. One hour clinic. First semester, senior year.

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE

2. **Pediatrics**—1 continued. Second semester.
3. **Care of Children**—Instruction in the care, hygiene and feeding of infants, cranial measurements, and physical development. One hour lecture. First semester, senior year. DOCTOR CHRISTIE
4. **Section Clinics in Pediatrics**—Clinics at the Child-Saving Institute, where it is frequently possible to demonstrate practically the contagions, measles, scarlet fever, and whooping cough, as they occur in epidemic form. First semester, senior year.

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE

5. **Section Clinics in Pediatrics**—4 continued. Second semester.

NERVOUS AND MENTAL DISEASES

PROFESSOR AIKIN, PROFESSOR MOORE, DOCTOR MOGRIDGE

1. **Lectures on Diseases of the Nervous System**—Lectures on the causes of nervous diseases, and the general symptoms. Diagnosis and methods of examination. Diseases of the peripheral nerves. Motor neuroses of the cranial nerves. Motor neuroses of spinal nerves. Sensory neuroses of cerebro-spinal nerves. Diseases of the spinal cord. Degenerative diseases. Muscular atrophies and dystrophies. Diseases of the brain. Function neuroses. Insomnia and neurological therapeutics. These lectures will be illustrated by clinical cases at the College, Methodist Hospital, Immanuel Hospital, and Douglas County Hospital. In the College and Douglas County Hospital students are assigned cases for examination, diagnosis and treatment and will be required to

report their cases before the entire class. One hour lecture. First semester, senior year.

PROFESSOR AIKIN

2. **Lectures on Diseases of the Mind**—Definitions, classification, general etiology, general pathology. General psychology. General symptoms and symptom groups. Examination and diagnosis. Functional psychoses, organic psychoses. 1 clinical work continued. Second semester. One hour lecture. Second semester, senior year.

PROFESSOR MOORE, PROFESSOR AIKIN

6. **Lectures on Arrested Development**—This course considers the cause, manifestations and diagnosis of arrested development. The class spends a day at the Glenwood, Iowa, Institution for the Feeble Minded. Six lectures, one hour. Second semester, senior year.

DOCTOR MOGRIDGE

MEDICAL JURISPRUDENCE

MR. PAGE

1. **Medical Jurisprudence**—Physicians' contracts, general medico-legal relations. Expert testimony. Malpractice. Life insurance examinations. Injuries and deaths. Poison, identity, and survivorship. Sexual relations. Quarantine sanitation. Medical legislation. Twelve lectures. Second semester, senior year.

MR. PAGE

GRADUATE WORK IN MEDICINE

To provide for a more thoro training in medicine the University proposes to encourage an optional year of graduate study under the following conditions: (1) Research work in any one of its departments; (2) an internship in some approved hospital; (3) advanced study in some appropriate field at a research laboratory or other institution of higher learning.

At the close of the additional year the student may be recommended to receive the degree of Doctor of Medicine cum laude, provided he has been in residence for a period covering at least the academic year of the University, presents a thesis satisfactory to his advisory committee, and is favorably recommended to the faculty by this committee.

A student desiring to become a candidate for the fifth year's work

must register his purpose in writing with the dean on or before Commencement Day of the year preceding such advanced study.

Normally hospital internships shall be taken in some one of the affiliated hospitals; all other cases must be the subject of specific request and approval by the faculty on recommendation of the deans. Approval must also be secured from such hospitals and the chief of the staff must express in writing his willingness to accept the interne and to carry out the conditions laid down by the committee for such work in affiliated hospitals.

THE SCHOOL OF PHARMACY

MEMBERS OF THE FACULTY

SAMUEL AVERY, A.M., PH.D.

Chancellor and President of the University Senate
Administration Hall 101

RUFUS ASHLEY LYMAN, A.M., M.D.

Director of the School of Pharmacy and Professor of Pharmacology
Nebraska Hall 7

CHARLES EDWIN BESSEY, PH.D., LL.D.

Head Professor of Botany and Dean of the Industrial College
Nebraska Hall 104

* HENRY BALDWIN WARD, PH.D.

Head Professor of Zoology and Dean of the College of Medicine
Nebraska Hall 206

† SAMUEL AVERY, PH.D.

Head Professor of Chemistry and Director of the Chemical Laboratories
Chemical Laboratory

WILLIAM GRANGER HASTINGS, A.B.

Lecturer in Pharmaceutical Jurisprudence and Dean of the College of
Law University Hall 310

HERBERT HAROLD WAITE, A.M., M.D.

Professor of Bacteriology and Pathology
Nebraska Hall 302

‡ BENTON DALES, PH.D.

Professor of Analytical Chemistry
Chemical Laboratory

AUGUST ERNEST GUENTHER, PH.D.

Professor of Physiology Nebraska Hall 5

MARY LOUISE FOSSLER, A.M.

Adjunct Professor of Chemistry
Chemical Laboratory

GEORGE BORROWMAN, A.M.

Adjunct Professor of Chemistry
Chemical Laboratory

FRANCIS JOSEPH PERUSSE, PH.C.

Instructor in Pharmacy, Pharmacognosy, and Dispensing.

NIELS PETER HANSEN, PH.G.

Lecturer in Pharmacy

* Resigned.

† Elected Chancellor May 20, 1909.

‡ In charge of the Department of Chemistry.

THE SCHOOL OF PHARMACY

ORGANIZATION

The recent awakening in both the medical and the pharmaceutical professions as to the manufacture, dispensing and sale of drugs, poisons, and synthetics, together with the passage of the Food and Drugs Act, has placed upon pharmacy and pharmaceutical chemistry, and allied subjects an importance never before enjoyed. The demand for skilled pharmacists was never so great as at the present time. The training as well as the general and technical knowledge demanded of applicants for positions by pharmacists, manufacturers, and the government is rapidly increasing. Thus while positions and opportunities in pharmaceutical work are on the increase, thorough and scientific training in the fundamental subjects has become imperative.

In view of these facts the University has organized the School of Pharmacy, the object being to give a broad technical training to men and women in order to prepare them for responsible positions as prescriptionists, pharmaceutical manufacturers, food and drug inspectors, and analysts, and to cooperate with the physicians and pharmacists of the state in improving and maintaining the standard of both professions as well as the interests of the people whom they serve.

COURSES AND DEGREES

Three courses are offered, as follows:

1. A course of two years, leading to the degree of Graduate in Pharmacy (Ph. G.), which prepares directly for drug store and dispensing practice and provides the ground work in analytical chemistry necessary for the drug business and the various phases of pharmaceutical manufacturing.

2. A course of three years, leading to the degree of Pharmaceutical Chemist (Ph. C.), giving the student a broader foundation and preparing him for a wider field of action. Its graduates are prepared to do analytical work for physicians or the public, to enter either the analytical or biological laboratories of the large manufacturing concerns, and to fill the thousands of government positions made necessary for the enforcement of the Food and Drugs Act.

3. A course of four years, academic and professional, leading to the bachelor's degree (B. Sc. in Pharmacy). This course includes all the technical work of the course of two years with the privilege of election from the three-year course. Students completing this course are prepared to do graduate work, and if they so desire, may seek the degrees of the Graduate College.

ADMISSION

Candidates are admitted by examination or on certificate from accredited high schools, academies, or colleges. Women are admitted on the same terms as men. The requirements for admission are stated below.

Although properly prepared students who cannot enter at the beginning of the year may be admitted later, all students who can possibly do so are urged to be present at the beginning of the year. Students entering late are at much disadvantage and cannot expect to finish the course within the minimum limit except by taking work in the Summer Session.

Applicants for admission present themselves to the Registrar, who furnishes them with application blanks and directions for proceeding with their examinations, if any, with fee payments and registration.

An applicant presenting a certificate from an accredited school, academy, or high school is admitted without examination to any classes for which he is fully prepared. Any candidate for admission bringing credentials from a high school, college, or university not included in the list of schools accredited to this University must, upon making application, present his credentials to the Registrar and be prepared to take such examinations as are prescribed.

A student desiring to ascertain whether or not he can be admitted to the first year without examination should apply to the Registrar for blank credential slips. When these are properly filled out and returned, he will be informed at once whether his credentials are or are not acceptable.

REQUIREMENTS FOR ADMISSION

For admission to the two and the three-year courses, the applicant must present the equivalent of a two-year (16 point) high school course.

The following subjects approved by the State Commis

sion on Course of Study for High Schools are recommended:

TWO-YEAR COURSE

GRADE NINE

Algebra	5	Algebra	5
English and Bookkeeping.....	5	English	5
Phys. Geography or Agriculture. 5		Agriculture or Civics.....	5
Latin	5	Latin	5

GRADE TEN

Plane Geometry.....	5	Plane Geometry.....	5
History of Greece.....	5	History of Rome.....	5
Botany, 2; English 3.....	5	Botany, 3; English 2.....	5
Caesar and Latin Composition..	5	Caesar and Latin Composition..	5

Students slightly deficient in entrance requirements are permitted to make up these deficiencies during the first year of residence.

Applicants who have had a four-year high school training are especially advised to register for the three-year course.

Notice is given that the entrance requirements for both the two-year and three-year courses will be advanced in the near future.

The requirements for admission to the four-year course are the same as those for admission to the six-year course in the College of Medicine.

For the University year 1909-1910 the candidate must present entrance "credits" equal to 28 "points," that is, a total of 140 recitation or "credit" hours. Conditional admission is permitted on a minimum of 22 "points," that is, 110 hours.

After September 1, 1910, the candidate must present entrance "credits" equal to 30 "points," that is, a total of 150 recitation or "credit" hours. Conditional admission is permitted on a minimum of 24 "points," that is, 120 hours.

A "credit point" means the work of five recitations a week, of not less than forty minutes each, for at least eighteen weeks. The requirements in detail are given below. The time element indicated with each subject is essential.

REQUIRED SUBJECTS—17 Points

Algebra (through logarithms), 1½ years, 5 hours a week.....	3
Rhetoric and Literature, 2 years, 5 hours a week.....	4
Geometry (plane and solid), 1½ years, 5 hours a week.....	3
Language (French, German, Greek, Latin. Not more than 2 of these subjects), 2 years, 5 hours a week.....	4
Natural Science (Botany, Zoology), ½ year, 5 hours a week.....	1
Physical Science (Physics), 1 year, 5 hours a week.....	2

*OPTIONAL SUBJECTS—11 Points

In addition to these required subjects, for which no substitutes are accepted, applicants must present evidence of preparation in 11 points to be chosen from the following optional list:

Agriculture	1
Rhetoric and Literature, 1 year, 5 hours a week.....	2
History (American or European), 3 years, 5 hours a week.....	6
Language (ancient or modern), 3 years, 5 hours a week.....	6
Manual Training, 1 year, 5 hours a week.....	2
Mechanical Drawing, ½ year, 5 hours a week.....	1
Natural Science (Botany, Zoology), 1 year, 5 hours a week.....	2
Physical Science (Chemistry), 1 year, 5 hours a week.....	2
Trigonometry (plane), ½ year, 5 hours a week.....	1
Astronomy	} Not more than 3 accepted..... 3
Civics	
Geology	
Normal Training	
Physical Geography	
Physiology and Hygiene	
Political Economy	

* Effective September 1, 1910, thirteen optional points are required; 30 points for full admission and 24 points for conditional admission.

REGISTRATION

Students are required to register promptly at the beginning of each semester.

To promote prompt registration a registration fee of \$3 is charged a student who, without good reason, fails to register within the days set aside for this purpose. A like fee is charged for re-registration if made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration.

No regular student is registered for less than twelve (12) hours nor more than eighteen (18) hours a semester without the Director's permission.

A student desiring to take the four-year course must matriculate and register the first two years in the College of Medicine and at the beginning of the third year he must also matriculate and register in the School of Pharmacy.

Students, not candidates for degrees, may register in the School of Pharmacy without conforming to the entrance requirements. The admission of special students is permitted after consultation with and upon the recommendation of the Director. Such students must pay the matriculation fee, the laboratory fees of the courses for which they register, and a pro-rata tuition fee; provided, however, that the tuition charge shall in no case be less than five (\$5) dollars a semester.

Students cannot attend classes for which they are not registered and credit is not granted for studies pursued without registration.

No student is allowed to change from one college to another without written permission to the Registrar signed

by the dean of each college concerned. A student so changing college must also pay a new matriculation fee of \$5.

No student may change his group or drop any study for which he has been regularly registered without written permission from the Director of the school.

Any change in a student's residence must be immediately reported to the Registrar.

A leave of absence for a short time may be granted a student by the Director of the school. This leave is merely a justification for absence and not an excuse from any work.

If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Registrar grants him permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

ADVANCED STANDING

Advanced standing may be granted as follows to applicants presenting proper credentials:

Applicants for credit in any particular subject are referred to the head of the department in question for examination. In case subject credit is granted the student is free to use the time thus gained in such extra work as he may elect.

Students of pharmaceutical colleges or schools of equal standing are, on presenting certificate of honorable dismissal, admitted to the class to which credentials issued by such colleges or schools entitle them.

Applicants for advanced standing must offer admission credits equal to those required by this school.

REQUIREMENTS FOR GRADUATION

The requirements for the various degrees given by this school are as follows:

1. The moral character of the candidate must be unquestioned.
2. He must have complied with all the requirements of admission and have paid all his fees.
3. He must have completed all required courses and have passed a satisfactory examination on all required subjects in the curriculum.
4. His last year's work must be taken in this institution.
5. Experience in the business of pharmacy is not made a requirement for a degree.

SUMMER SESSION

The Summer Session of the University affords opportunities to make up deficiencies in entrance requirements and in certain lines of laboratory work.

EQUIPMENT

The laboratories of the University are well equipped with all the essential apparatus for giving the most thorough modern instruction. A more or less detailed description of the equipment is given under General Information in the general catalogue and under the description of courses by the various departments.

LIBRARIES

The following libraries, aggregating 193,000 volumes, are accessible to students in Lincoln:

The University Library of 85,000 volumes is strong in those scientific lines wherein lies the work of the student of pharmacy. It includes special departmental libraries in botany, chemistry, hygiene, physiology, zoology, bacteriology, pathology, and medicine. It also includes the library of the Nebraska State Medical Society of 1,300 volumes.

The Lincoln City Library, of 26,000 volumes, also has an alcove devoted exclusively to medical and pharmaceutical literature.

The Nebraska State Historical Society Library of 15,000 volumes contains useful series of public documents such as reports of state boards of health and of state hospitals, pharmaceutical associations, and other institutions.

The State Library of 65,000 volumes at the Capitol includes valuable pharmaceutical works in certain lines.

FEES AND EXPENSES

All fees and charges are payable in advance to the Secretary of the University. No part of the fees can be refunded to a student who leaves after the beginning of the fourth week of a semester or session. Applications for refunds must be made at the time of withdrawal from the University.

The matriculation fee, being a statutory one, cannot be refunded except where collected through error.

The schedule of fees in the School of Pharmacy is as follows:

Matriculation fee.....	\$5 00
Diploma fee	5 00

No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.

FIRST-YEAR AND SECOND-YEAR FEES

Tuition, first semester.....	\$20 00
Tuition, second semester.....	15 00
For special examination, one subject.....	1 00

No tuition will be charged at present for the third year of the three-year course, the student paying only the laboratory fees for that year. Students taking the four-year course will pay tuition for only the third and fourth years, when they take the technical work.

The total University fees for the two-year course approximate \$75.00 per year.

LABORATORY FEES

BACTERIOLOGY

Course 1	\$8 00
Courses 3, 4.....	4 00

BOTANY

Courses 1, 2.....	2 00
-------------------	------

CHEMISTRY

Courses D, 1 and 2 combined.....	10 00
Courses A, B, 1, 2, 3, 3a, 4, 13, 14, 21, 22, 34.....	5 00
Courses 7, 8, 39, 40 (per credit hour).....	1 00
Courses 15, 16.....	2 00
Course 41	8 00

PHARMACY

Courses 1, 2	3 00
Courses 3, 4.....	7 00
Courses 5, 11, 12, 13, 14.....	5 00
Course 8	6 00
Course 9	8 00

MICROSCOPY

Courses 1, 2.....	1 00
-------------------	------

PHYSIOLOGY

Courses 6, 7.....	3 00
-------------------	------

In Lincoln board and lodging may be secured in private families for from \$3 to \$5 a week. There are also numerous student clubs. The Young Men's Christian Association and the Young Women's Christian Association of the University keep lists of boarding places. The Young Men's Christian Association of the University also maintains under the direction of the Registrar an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

GENERAL COLLEGE PRIVILEGES

Students in the School of Pharmacy have the privileges of other students in the University. The gymnasium is in charge of experts in physical training who advise each student as to the character and amount of physical exercise adapted to his case. For engaging in athletics there is abundant opportunity. Military drill is also offered.

SEQUENCE OF STUDIES

TWO-YEAR COURSE

Leading to the Degree of Graduate in Pharmacy

	FIRST YEAR	1st Semester Hours	2d Semester Hours
Botany 1, 2.....		3	3
Chemistry D		4	
Chemistry 1, 2, combined course.....			4
Pharmacy 1, 2.....		5	5
Physiology 6, 7.....		2	2
Microscopy 1, 2		1	1
		—	—
		15	15

SECOND YEAR		1st Semester Hours	2d Semester Hours
Chemistry 3a, 7.....		3	5
Pharmacy 3, 4.....		5	5
Pharmacognosy 5		5	
Pharmacology and Therapeutics 9.....		4	
Prescriptions and Dispensing 8.....			4
Pharmaceutical Ethics 6	}	.....	2
Pharmaceutical Jurisprudence 1			
Pharmacy 10			
		17	16

THREE-YEAR COURSE

Leading to the Degree of Pharmaceutical Chemist

The studies for the first two years are the same as in the preceding course. The work of the third year is elective. The student may select work to the extent of 18 hours from the advanced courses enumerated under courses of instruction. This selection, however, must be made after consultation with the Director and the members of the faculty concerned.

FOUR-YEAR COURSE

Leading to the Degree of Bachelor of Science in Pharmacy

Details in regard to the non-technical courses which appear in this schedule, such as rhetoric, should be secured from the announcement of the undergraduate college.

FIRST YEAR		1st Semester Hours	2d Semester Hours
Chemistry 1, 2.....		2	2
Botany 1, 2.....		3	3
Modern Language (German).....		5	5
Rhetoric 1, 2.....		2	2
Zoology 1, 2.....		3	3
Microscopy 1, 2		1	1
*Military Drill (men).....		1	1
		17	17

*Four semesters of physical training, each giving one hour credit, are required of women.

	1st Semester Hours	2d Semester Hours
SECOND YEAR		
Chemistry 3a, 4.....	3	3
Chemistry 7		5
Modern Language	5	5
Bacteriology 1	4	
Physiology 6, 7.....	2	2
Hygiene 1	2	
Military Drill (men).....	1	1
	—	—
	17	16

THIRD YEAR		
Pharmacy 1, 2.....	5	5
Chemistry 39, 40.....	5	5
Chemistry 34		4
Pharmacognosy 5	5	
Pharmacology and Therapeutics 9	4	
Pharmaceutical Ethics 6	}	2
Pharmaceutical Jurisprudence 1		
Pharmacy 10		
	—	—
	19	16

FOURTH YEAR		
Pharmacy 3, 4.....	5	5
Pharmacy 11, 12.....	3	3
Chemistry 41	4	
Chemistry 13, 14.....	3	3
Prescriptions and Dispensing 8.....		4
Research 14	3	3
	—	—
	18	18

COURSES OF INSTRUCTION

BACTERIOLOGY AND PATHOLOGY

PROFESSOR WAITE

1. **General Bacteriology**—The form, structure, manner of multiplication, reproduction, requirements of growth and chemical products of bacteria. The relation of bacteria to fermentation and putrefaction and the means by which complex organic compounds are reduced to simple inorganic forms are fully explained. Disinfection, sterilization, and the theories of immunity. Several non-pathogenic and pathogenic forms are studied. Four hours attendance. Eight hours laboratory. Four hours credit. First semester.

PROFESSOR WAITE

3. **Dairy Bacteriology**—The source of bacteria in milk. and butyric acid fermentations, peptonizing, rennet-forming, and butyric acid-producing bacteria are discussed and some of the typical organisms isolated. Abnormal fermentations giving rise to slimy, bitter, red, blue, yellow, and green milk are elucidated. The relation of milk to the spread of tuberculosis, typhoid fever and other diseases. Sterilization and pasteurization. Bacteria in butter-making. Two hours attendance. Four hours laboratory. Two hours credit. First semester.

PROFESSOR WAITE

4. **Agricultural Bacteriology**—The nitrogen problem. The role of bacteria in ammoniacal fermentation, nitrification, and denitrification. The use of bacteria as a means of reclaiming nitrogen lost from the soil. The practical employment of nitrifying bacteria and the employment of pure cultures in growing leguminous plants. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

PROFESSOR WAITE.

BOTANY

HEAD PROFESSOR BESSEY, MISS WALKER.

1. **General Botany**—Introduction to the structure of plants (cells, tissues, tissue systems, including blue-green and green algae and

general morphology and physiology of representative species. Three hours lecture and additional readings. Four hours laboratory. Three hours credit. First semester.

HEAD PROFESSOR BESSEY, MISS WALKER

2. **General Botany**—The general morphology and physiology of representative species of brown algae to flowering plants. Three hours lecture and additional readings. Four hours laboratory. Three hours credit. Second semester.

HEAD PROFESSOR BESSEY, MISS WALKER

CHEMISTRY

HEAD PROFESSOR AVERY, PROFESSOR DALES, ADJUNCT PROFESSOR FOSSLER,
ADJUNCT PROFESSOR BORROWMAN

REQUIRED

- D. **The Non-Metallic Elements**—Including the general principles of chemistry. The course is designed especially for those whose program of studies does not permit them to carry A and B before registering for 1. Such students will attend the same lectures as are given in A and in addition one hour quiz at a time to be arranged. Three hours lecture. One hour quiz. Eight hours laboratory. Four hours credit. First semester.

PROFESSOR DALES

NOTE—Students desiring to study chemistry who enter the University with two points credit should register for Chemistry 1. Students with less than two points are expected, unless advised otherwise, to register for D.

- 1 and 2 combined. **Qualitative Analysis**—A study of qualitative reactions and separations, including the identification of common drugs and chemicals and the testing for impurities. Four hours attendance. Eight hours laboratory. Second semester.

PROFESSOR DALES

- 3a. **Organic Chemistry**—The aliphatic and benzene series: a discussion of the most important organic substances, supplemented by the preparation in the laboratory of typical compounds. Prerequisite: Courses 1 and 2. Three hours lecture. Six hours laboratory. Three hours credit. First semester.

MISS GRAHAM

7. **Quantitative Analysis**—Gravimetric determinations of the more important bases and acids, including the assay of drugs. Prerequisite: Courses 1, 2 and 3a. Three hours attendance. Ten hours site: Courses 1, 2 and 3a. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. Second semester.

PROFESSOR DALES

OPTIONAL

- A. **General Chemistry**—This course is designed to give a general view of chemistry. The lectures are highly illustrated with experiments and the fundamental principles of the science are emphasized. The non-metallic elements are given special consideration. Three hours lecture. Four hours laboratory. Three hours credit. First semester.

PROFESSOR DALES

- B. **General Chemistry**—Continuation of A. Especial attention is given to the metallic elements, the more common organic compounds, and the applications of chemistry to every-day life. Prerequisite A. Three hours lecture. Four hours laboratory. Three hours credit. Second semester.

PROFESSOR DALES

8. **Quantitative Analysis**—7 continued. Volumetric analysis, electrolytic analysis, the sanitary analysis of water and the analysis of gases. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. Second semester. PROFESSOR DALES

21. **Assaying**—Qualitative examination of ores. Blow-pipe and chemical tests for the common ores and minerals. Principles of fire assays for gold, silver, and lead in ores and metallurgical products. Prerequisite: Courses 1 and 2. Two hours lecture. Four hours laboratory. Two hours credit. First semester.

ADJUNCT PROFESSOR BORROWMAN

22. **Assaying**—21 continued. Volumetric and gravimetric methods for the determination of silver, copper, zinc, lead, tin, and iron. Two hours lecture. Four hours laboratory. Two hours credit. Second semester.

ADJUNCT PROFESSOR BORROWMAN

39. **Advanced Analytical Chemistry**—A more extended study of chemical analysis than that offered in courses 7 and 8. Laboratory practice leading to analytical research. Six to fifteen hours laboratory. Two to five hours credit. First semester

PROFESSOR DALES

40. **Advanced Analytical Chemistry**—39 continued. Second semester.
41. **Urine Analysis and Toxicology**—Discussion of the chemical composition of the urine in health and in disease and the teaching of methods for the detection of abnormal constituents; study of the physiological properties and methods for detecting poisons. Prerequisite: Courses 1, 2, 3 and 4. Four hours lecture. Eight hours laboratory. Four hours credit. First semester.

ADJUNCT PROFESSOR FOSSLER

3. **Organic Chemistry**—The aliphatic series; important classes of organic substances; preparation in the laboratory of typical compounds. Prerequisite: Courses 1 and 2. Three hours lecture. Six hours laboratory. Three hours credit. First semester.

ADJUNCT PROFESSOR FOSSLER

4. **Organic Chemistry**—The benzene series; treated in the same general manner as course 3 in regard to subject matter and laboratory preparations. Prerequisite: Courses 1, 2 and 3. Three hours lecture. Six hours laboratory. Three hours credit. Second semester.

ADJUNCT PROFESSOR FOSSLER

15. **Advanced Organic Chemistry**—For students who desire a more extended knowledge of organic chemistry than that offered in courses 3 and 4, or who wish to specialize. Prerequisite: Courses 1, 2, 3 and 4. Three hours attendance. Six hours laboratory. Three hours credit. First semester. HEAD PROFESSOR AVERY

16. **Advanced Organic Chemistry**—15 continued. Second semester.

34. **Physiological Chemistry**—The organic compounds and chemical processes of physiological importance. Useful in subsequent study of practical medicine. Prerequisite: courses 1, 2 and 3. Four hours lecture. Eight hours laboratory. Four hours credit. Second semester.

ADJUNCT PROFESSOR FOSSLER

13. **Biological Chemistry**—A study of cellular chemistry, and chemical nature of foods, and their relation to nutrition, accompanied by practical analytical work in the laboratory. Prerequisite: Courses 1, 2, 3 and 4. Three hours lecture. Six hours laboratory. Three hours credit. First semester. ADJUNCT PROFESSOR FOSSLER

14. **Sanitary Chemistry**—Acidimetry and alkalimetry, water analysis, milk analysis, methods for the detection of preservatives and

adulterants, cleaning agents, disinfectants, etc. Prerequisite: Courses 1, 2, 3, 4 and 13. Three hours lecture. Six hours laboratory. Three hours credit. Second semester.

ADJUNCT PROFESSOR FOSSLER

PHARMACEUTICAL JURISPRUDENCE

PROFESSOR HASTINGS

1. **Pharmaceutical Jurisprudence**—A series of six lectures concerning the legal status of the pharmacist. Second semester.

PHARMACY

PROFESSOR LYMAN, MR. PERUSSE, MR. HANSEN

1. **Pharmacy**—An introductory course beginning with the history of pharmacy and followed by a study of weights, measures, specific gravity, vaporization, dissication, distillation, sublimation, comminution, separation of fluids from solids, filtration, clarification and decoloration, precipitation, crystallization, separation of immiscible liquids, granulation, and exsiccation, dialysis, extraction, expression, percolation, etc., and all elementary processes used in the preparation of medicines. Five hours attendance. Eight hours laboratory. Five hours credit. First semester.

MR. PERUSSE

2. **Galenical Preparations**—A study of the pharmacopoeial preparations of waters, syrups, emulsions, glycerites, spirits, elixirs, ethereal solutions, liniments, oleates, infusions, decoctions, tinctures, fluid extracts, solid extracts, etc. Five hours attendance. Eight hours laboratory. Five hours credit. Second semester.

MR. PERUSSE

3. **Official Inorganic Pharmacy**—A study of the inorganic official preparations, the inorganic acids, halogen compounds, alkalies, potassium, sodium, and lithium salts, ammonium, calcium, zinc, iron, lead, copper, silver, mercury, etc. Five hours attendance. Eight hours laboratory. Five hours credit. First semester.

MR. PERUSSE

4. **Official Organic Pharmacy**—A study of the official organic preparations, including oils, resins, fats, soaps, glucosides, alkaloids,

and products of animal tissues. Five hours attendance. Eight hours laboratory. Five hours credit. Second semester.

MR. PERUSSE

5. **Pharmacognosy**—A study of the history, classification, constitution and the means of identification of the drug-producing plants. Five hours attendance. Eight hours laboratory. Five hours credit. First semester.

MR. PERUSSE

6. **Pharmaceutical Ethics**—A series of twelve lectures in which will be considered the ethics of pharmacy, the relation of the pharmaceutical profession to that of medicine on the one hand, and to the public on the other, the position the pharmacist should take in dealing with proprietary and patent medicine concerns and all other problems with which he must be concerned. Second semester.

PROFESSOR LYMAN

8. **Prescriptions and Dispensing**—A detailed study of the prescription and the art of dispensing and compounding. Four hours attendance. Three hours laboratory. Four hours credit. Second semester.

PROFESSOR LYMAN, MR. PERUSSE

9. **Pharmacology and Therapeutics**—A study of the dosage and physiological action of official and non-official drugs and poisons. An experimental study of a typical member of each group of drugs will be made. Special attention is given to the anesthetics, narcotics, glucosides, alkaloids, and the physiological assay of drugs. Two hours attendance. Four hours laboratory. Four hours credit. First semester.

PROFESSOR LYMAN

10. **Business Methods**—A series of twelve lectures and demonstrations on the commercial aspect of pharmacy. Second semester.

MR. HANSEN

11. **Manufacturing Pharmacy**—Advanced work in pharmaceutical manufacturing. Three hours attendance. Six hours laboratory. Three hours credit.

MR. PERUSSE

12. **Manufacturing Pharmacy**—11 continued. Three hours attendance. Six hours laboratory. Three hours credit. Second semester.

MR. PERUSSE

13. **Research** in pharmaceutical, pharmacological, or physiological assay-

ing. Two to five hours attendance. Six to ten hours laboratory. Two to five hours credit. First semester.

PROFESSOR LYMAN, MR. PERUSSE

14. **Research**—13 continued. Two to five hours attendance. Six to ten hours laboratory. Two to five hours credit. Second semester.

PROFESSOR LYMAN, MR. PERUSSE

MICROSCOPY

HEAD PROFESSOR WARD

1. **The Microscope and Microscopical Methods**—A brief summary of fundamental principles for introductory purposes. One hour attendance. Two hours laboratory or reading. One hour credit. First semester.

HEAD PROFESSOR WARD

2. **The Microscope and Microscopical Methods**—One hour attendance. Two hours laboratory or reading. One hour credit. Second semester.

HEAD PROFESSOR WARD

PHYSIOLOGY

PROFESSOR GUENTHER

6. **General Animal Physiology**—A consideration of the facts and theories underlying the functions of muscle and nerve, of secretion, digestion, absorption, blood and lymph, circulation, respiration, animal heat, metabolism, the central nervous system, special senses and reproduction. A combined lecture, demonstration and laboratory course. Two hours lecture. Three hours laboratory. Two hours credit. First semester.

PROFESSOR GUENTHER

7. **General Animal Physiology**—6 continued. Second semester.

PROFESSOR GUENTHER

THE SCHOOL OF FINE ARTS

MEMBERS OF THE FACULTY

SAMUEL AVERY, PH.D.

Chancellor and President of the University Senate

SARA SHEWELL HAYDEN

Director

HENRIETTA McELROY BROCK

Instructor

GENERAL INFORMATION

The School of Fine Arts occupies rooms on the third floor of Library Hall. The class rooms are well lighted, attractive, and completely equipped with easels, frames and casts.

The Fine Arts Gallery, a fire-proof, well lighted room, fitted with two hundred electric lights, is sixty by seventy feet in dimensions. Here are held minor exhibitions, and the annual mid-winter exhibitions by the Nebraska Art Association, of paintings by leading American and foreign artists. The gallery contains the paintings purchased at the annual exhibitions by the Nebraska Art Association, among which are Andre Dauchez's *The Reefs*, Potthast's *The Fanning Day*, Harrison's *Harvard Bridge*, Lucy Conant's *The Marshes*, Symon's *Autumn*, and Elizabeth Nourse's *Petite Paysanne de Bretagne*, Barnard's *The Landmark*, Eaton's *Canal at Bruges*.

It is equipped also with a collection of casts which has been increased recently by an important purchase conjointly with the Nebraska Art Association of \$500 worth of fine reproductions from the antique.

COURSES OF INSTRUCTION

The School of Fine Arts offers courses in drawing, painting, clay modeling, wood-carving, and ceramics.

Students who plan to specialize on completing their college course, may prepare themselves for entrance to the advanced classes of professional schools.

Those who wish to become teachers of drawing in public schools may arrange their work to suit their individual needs.

A class valuable to all students in the theory and practice of design is held for twelve weeks of each semester. Practical problems are worked out in application to stenciling, embroidery, leather and metal work, etc. This class is free to students of the department. Classes in basketry, crimple sheet, metal work and decorative leather, will be formed on demand.

DRAWING AND PAINTING

The courses in drawing and painting are divided into the following sections, through each of which the student must pass in succession:

1. **Elementary**—Drawing from geometrical solids, still-life and antique fragments in outline and light and shade. Study of values in charcoal and pencil.
2. **Antique**—Heads and figures in charcoal from the antique for the study of construction and as a preparation for working from life, still-life and flower painting in oil and water color. Pen and ink with reference to the processes of reproduction.
3. **Life**—Drawing and painting from costumed model.

Work in wood-carving and china painting can be carried at any time during the course.

A sketch class, which is free to students of the department, is held one evening each week. A fee of \$3.00 each semester is charged outside members.

Teachers' Class—A special class designed to meet the needs of public schools will be given if there is demand for this work.

CHINA PAINTING

Figure painting on porcelain; flower painting from nature; enamels, conventional and all branches of decorative work.

FEES, INCLUDING USE OF STUDIO

DRAWING AND PAINTING

One lesson a week, each semester.....	\$10 00
Two lessons a week, each semester.....	18 00
Three lessons a week, each semester.....	25 00

CHINA PAINTING

One lesson a week, each semester.....	\$12 00
Two lessons a week, each semester.....	23 00
Three lessons a week, each semester.....	33 00

Special arrangements are made with persons desiring to take less than a semester's instruction.

THE AFFILIATED SCHOOL OF MUSIC

MEMBERS OF THE FACULTY

SAMUEL AVERY, LL.D.

Chancellor and President of the University Senate

WILLARD KIMBALL

Director School of Music

PIANO-FORTE

ROBERT STEVENS

SIDNEY SILBER

MRS. WILL OWEN JONES EFFIE AUSTIN

MRS. LURA SCHULER-SMITH NELL CAVE

GUY BEVIER WILLIAMS CLAIRE CANOM

MAJORIE ANDERSON LUCY HAYWOOD

CARRIE WHITNEY PETTIS LULU LAKIN

MRS. MARY WARD WALT LOUISE ZUMWINKEL

ORGAN

WILLARD KIMBALL

VOICE TRAINING

HOWARD IRA KIRKPATRICK CHARLES FRANCIS MILLS

VERA AUGUSTA UPTON ALICE WIDNEY CONANT

LILLIAN DOBBS HELMS CHARLES H. MILLER

THEORETICAL

JOHN ROSBOROUGH

ALYCE SWEDBURG

VIOLIN

CARL FREDERICK STECKELBERG

AUGUST MOLZER

VIOLONCELLO

HENRY STECKELBERG

CORNET AND BRASS INSTRUMENTS

STEPHEN JELINEK

FLUTE

REX ELTON FAIR

CLARINET

ELTON EWING

THEORY AND PRACTICE OF PIANO TUNING

AUGUSTUS JUDSON MORLEY

REGISTRAR

EVERETT B. CARDER

SUPERINTENDENT

WILLARD P. KIMBALL

GENERAL INFORMATION

The School of Music offers courses in all branches of applied and theoretical music.

Students may take work privately in any one or more of the courses outlined. In order to be graduated, however, a candidate must pursue three courses: (1) the complete course in the science of music, including harmony, counterpoint, orchestration, history and theory of music; (2) in applied music, either pianoforte, pipe-organ, violin, or voice; and (3) one elective course in applied music.

This requirement is made in order to secure to one who seeks a diploma from the School such mastery of the principles and practice of musical art as will develop a broad

and generous musical culture which shall not overestimate the value of mere virtuosity.

REQUIRED COURSES OF INSTRUCTION

1. **Theory of Music**—Text-book and lectures, twice each week for one year.
2. **Sight-Singing**—Chorus training twice each week for one semester.
3. **Elementary Harmony**—Notation, terminology, formation of chords, modulation; text-book, lectures, composition and practice twice each week for one year. May be taken with course 2.
4. **Counterpoint**—Suspension, harmonizing, chorales, enharmonics, figuration, study of form, single and double counterpoint twice each week for one year.
5. **Composition**—Canon in the octave and tenth, fugue in three, four, and five voices. Free composition.
6. **Piano, Pipe-Organ, Violin or Voice**—Twice each week throughout the course.

THE ORGAN

This department is under the personal supervision of the director of the School.

Two two manual pedal-organs, large enough to display the principles of organ-playing, are at the service of the students. Arrangements for the use of larger organs may be made.

The large organ, of three manuals and forty stops presented to the University through the generosity of its alumni and friends, stands in Memorial Hall and may be used by advanced students.

LECTURES

Among the free advantages offered by the School is a course of lectures on musical topics by instructors in the School of Music and in the University. Attendance upon this course is required from all regular students.

CONCERTS

During the school year a number of concerts are given. There are the choral series, the University chorus and soloists, in oratorio, artists' series, performers from abroad and from the faculty, chamber-music

series, string trios, quartettes and quintettes, semi-public soirees by instructors and pupils, and weekly recitals by pupils for the acquirement of self-possession.

UNIVERSITY STUDIES

For students in regular University courses the study of the piano, violin, and organ, also voice culture and the science of music, are elective during the junior and senior years. A regular student of the School may, on paying the usual fees, enter any college of the University as an unclassified student.

GRADUATE COURSES

Courses one year in length are offered for those who have completed the regular work but who desire to pursue certain branches further. These courses are prescribed by the heads of departments.

OTHER ADVANTAGES

Other privileges, which their connection with the University affords to pupils in the school, are chorus-training and lectures on history and other topics relating to music, orchestral practice, ensemble classes, and prima vista reading piano classes. Admission to the University gymnasium and art rooms and the use of the University libraries and reading rooms are also available helps to students of music.

FEES

Tuition varies with the instructors. A complete catalogue of the School of Music is sent upon application to the director.

THE NEBRASKA AGRICULTURAL EXPERIMENT STATION

BOARD OF REGENTS

THE GOVERNING BOARD

HON. CHARLES SUMNER ALLEN.....	Lincoln
HON. WILLIAM GUNN WHITMORE.....	Valley
* HON. FREDERICK HIRAM ABBOTT.....	Aurora
HON. VICTOR GERALD LYFORD.....	Falls City
HON. CHARLES BARNEY ANDERSON.....	Crete
HON. GEORGE COUPLAND.....	Elgin
† HON. HARVEY ELLSWORTH NEWBRANCH.....	Omaha

OFFICERS

HON. CHARLES SUMNER ALLEN.....	President
JAMES STUART DALES.....	Secretary

THE OFFICERS OF THE STATION

EDGAR ALBERT BURNETT, B.Sc.

Director

JAMES STUART DALES, M.Ph.

Financial Secretary ‡

WILLIAM WARNER MARSHALL

Executive Clerk

THE WORKING STAFF

EDWIN MEAD WILCOX, Ph.D.

Agricultural Botany

* Resigned July 8, 1909.

† Appointed by the Governor on the resignation of Regent Abbott. Appointees serve until the first general election.

‡ By an act of the Legislature of the state of Nebraska, approved and in effect February 5, 1899, the state treasurer became *ex officio* custodian of the experiment station fund on and after July 1, 1899.

THE UNIVERSITY OF NEBRASKA

FREDERICK JAMES ALWAY, Ph.D.
Agricultural Chemistry

HOWARD REMUS SMITH, B.Sc.
Animal Husbandry

ALBERT THEODORE PETERS, D.V.M.
Animal Pathology

ARCHIBALD LOUIS HAECKER, B.Sc.A.
Dairy Husbandry

LAWRENCE BRUNER, B.Sc.
Entomology

EDWARD GERRARD MONTGOMERY, A.M.
Field Crops

FRANK J. PHILLIPS, A.B., B.Sc., M.S.F.
Forestry

ERWIN HINCKLEY BARBOUR, Ph.D.
Geology

GEORGE RICHARD CHATBURN, A.M.
Highway Engineering

ROLLINS ADAMS EMERSON, B.Sc.
Horticulture

OSCAR VAN PELT STOUT, C.E.
Irrigation Engineering

GEORGE ANDREW LOVELAND, B.S., LL.B.
Meteorology

JAMES HARRISON GAIN, M.D.C.
Associate in Animal Pathology

* ROLAND ELISHA STONE, M.Sc.
Assistant in Agricultural Botany

*ALVIN KEYSER, A.M.
Soils

CHARLES W. PUGSLEY, B.Sc.
Associate in Animal Husbandry

* Resigned.

WILLIAM PATTON SNYDER, M.S.
Superintendent Experimental Sub-station, North Platte

VENUS WORRELL POOL, A.M.
Assistant in Agricultural Botany

ROBERT SAMUEL TRUMBULL, A.M.
Assistant in Agricultural Chemistry

PERCY BONSFIELD BARKER, A.B.
Assistant in Soils

THEODORE ALEXANDER KIESSELBACH, B.Sc., A.B.
Assistant in the Experiment Station

LA ZELLE BRANTLEY STURDEVANT, A.M.
Assistant in Animal Pathology

MYRON HARMON SWENK, A.M.
Assistant in Entomology

ROBERT FRANCIS HOWARD, B.S. IN AGR.
Assistant in Horticulture

WILLIAM WESLEY BURR, B.Sc.
Assistant in Soils and Crops, North Platte

SENATOR WILLIS PERIN
Farm Superintendent

†NELLE STEVENSON SCOTT, A.B.
Laboratory Aid

†NORMA WADDLE, A.B.
Laboratory Aid

GENERAL INFORMATION

The Nebraska Agricultural Experiment Station, carried as a department of the College of Agriculture of the University of Nebraska, is maintained from funds appropriated by Congress, supplemented by state appropriations. Under the provisions of the Hatch Bill, each state and territory

† Detailed by the U. S. Department of Agriculture.

that had established an agricultural college under the land grant act of 1862 was offered funds to establish, in connection therewith, an agricultural experiment station. Nebraska assented to the conditions and was one of the states to receive immediate benefits from the act.

The work contemplated by the law providing for these experiment stations is set forth as follows in section 2 of the act establishing the station:

SECTION 2. That it shall be the object and duty of said experiment stations to conduct original researches or verify experiments on the physiology of plants and animals; the diseases to which they are severally subject with the remedies for the same; the chemical composition of useful plants at their different stages of growth; the comparative advantages of rotative cropping as pursued under the varying series of crops; the capacity of new trees or plants for acclimation; the analysis of soils and water, the chemical composition of manures, natural or artificial, with experiments designed to test their comparative effects on crops of different kinds, the adaptation and value of grasses and forage plants; the composition and digestibility of the different kinds of food for domestic animals; the scientific and economic questions involved in the production of butter and cheese; and such other researches or experiments bearing directly on the agricultural industry of the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective states and territories.

On March 16, 1906, an act known as the Adams act became effective, granting increased support to the Experiment Station for purely technical investigations along the lines mentioned in the Hatch act under which the Experiment Station was established, and since the acceptance of this fund the Experiment Station has been conducting these technical lines of investigation in accordance with the act.

The central experiment station is located at the Univer-

sity Farm, except the Finance Office, which is located at the University campus. The farm comprises a tract of 320 acres located three miles east of the University, having street car connections. About one hundred acres is now laid off in experiment plats for field crops, fruits, and vegetables. The animals used for experiment are in a measure furnished from the herds of cattle, sheep and hogs used for instructional purposes. The offices of the Director and of the departments of Animal Husbandry and Agricultural Botany, the laboratories for investigation in agricultural botany and the Agricultural Library, are in Agricultural Hall. The offices of the departments of Field Crops, Soils, Agricultural Chemistry and Entomology and the laboratories for investigation in these lines are in Experiment Station Hall. The Departments of Horticulture, Dairy Husbandry and Animal Pathology have separate buildings. The School of Agriculture is housed in Agricultural Hall and the several departmental buildings.

The Experimental Substation provided for by the Legislature of 1903 is located in Lincoln County, three miles south of North Platte, on a tract of 1,920 acres. This farm contains 270 acres of bench land with an elevation of about 2,800 feet. Experiments in crop production are conducted entirely without irrigation. About 140 acres of this farm is level table-land with an elevation of 3,000 feet, the balance of the farm being rough canyon and table land devoted to pasture. The experiments in crop and animal production upon this farm are comparable with nearly all the crop production and animal industry of central Nebraska.

Each year the station publishes at least four bulletins, written in popular form. These contain results of investigations in subjects pertaining to farming. They are sent free to anyone who requests them. The edition of each bulletin is 20,000 or more copies. An annual report, 5,000 copies, is published containing a summary of the work of the year and experimental results of interest to investigators.

The publications of the station issued since those reported in the last calendar are the following:

Bulletin No. 106 (Vol. XX, Art. VII). Does it Pay to Spray Nebraska Apple Orchards? By R. A. Emerson and F. E. Denny. Distributed May 2, 1908. 20,000 copies.

Bulletin No. 107 (Vol. XXI, Art. I). Part I, Foods Supplementary to Corn in Fattening Pigs. Part II, The Effect of Food on Breaking Strength of Bones. By E. A. Burnett, Director. Distributed December 1, 1908. 25,000 copies.

Bulletin No. 108 (Vol. XXI, Art. II). Milking Machines. By A. L. Haecker and E. M. Little. Distributed December 7, 1908. 6,000 copies.

Bulletin No. 109 (Substation Bulletin No. 4) (Vol. XXI, Art. III). Crop Production in Western Nebraska; Principles of Cultivation. By W. P. Snyder, Superintendent, W. W. Burr, and E. A. Burnett, Director. 25,000 copies.

Bulletin No. 110 (Vol. XXI, Art. IV). Report of the Nebraska Seed Laboratory. By E. Mead Wilcox, Collaborator in Charge, and Miss Nellie Stevenson, Laboratory Aid.

Press Bulletin No. 28. Bunt, or Stinking Smut of Wheat. By F. D. Heald. Distributed April 15, 1908. 5,000 copies.

Press Bulletin No. 29. Pocket Gophers. By Lawrence Bruner. Distributed May 1, 1908. 25,000 copies.

Press Bulletin No. 30. Rolling Winter Wheat. By E. G. Montgomery. Distributed April 3, 1909. 25,000 copies.

Twenty-second Annual Report. Presented to the Governor February 1, 1909.

The Experiment Station desires to assist the farmers of the state in solving many of the difficult and perplexing problems that affect our agricultural production and to this end is carrying on investigations along lines that aid the practical farmer. The co-operation of all who are interested in the development of agricultural resources is invited.

DEGREES CONFERRED

SUMMER SESSION GRADUATION—1907

BACHELORS OF ARTS—4

James Andrews Dallas
Josephine Frazier

David Bennet Gilbert
Cleo Pearl Howard

BACHELORS OF SCIENCE—8

Carlos Glazier Bates
Nate Worswic Downes
George Henry Hartsough
Gilmour Byers MacDonald

Charles Louis Meyer
Joseph Henry Sayer
Charles Rozell Weeks
Orren William Wyatt

MASTERS OF ARTS—2

Stella Agnes Hartzell

Jacob Millison Kinney

DOCTOR OF PHILOSOPHY—1

Jesse Winecoffe Ball

SUMMER SESSION GRADUATION—1908

BACHELORS OF ARTS—3

Otto Kotouc
Laura Elizabeth McLean

John Daniel Walker

BACHELORS OF SCIENCE—3

Carroll White Blake
Ray Hanson Findley

James August Monick

MID-WINTER COMMENCEMENT—1909

THE COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

BACHELORS OF ARTS—4

Fred Benjamin Garver
Jessie June Glass

Paul Goss
Emery Winfred Leamer

THE INDUSTRIAL COLLEGE

BACHELORS OF SCIENCE—7

Arthur Leo Anderson
William Hodge Dobson
Frank Carter Hawks
Andreas Chris Peterson

Claude Kedzie Shedd
Karl August Ulmann
Alvah Linn Weaver

THE COLLEGE OF LAW

BACHELORS OF LAWS—3

Charles Theodore Borg
Sidney Thomas Frum

Bruce Fullerton

THE GRADUATE SCHOOL

MASTERS OF ARTS—8

Thomas Albert Butcher, Ph.B. 1900 Nebraska Wesleyan University—Philosophy, Political Economy, English Language and Literature
Carl Pierce Hartley, A.B. 1907—Botany
Fritz Konrad Krueger, Berlin Gymnasium 1907—Political Science and Sociology
George Roger La Rue, B.Sc. 1907 Doane College—Zoology
Ernest Merle Little, B.Sc. 1907—Bacteriology, Agricultural Chemistry, Dairy Husbandry
Leon Joseph Pepperberg, A.B. 1905—Geology, Geography
Charles Edward Temple, A.B. 1906—Botany
Alice Etna York, A.B. 1907 Nebraska Wesleyan University—Roman History and Literature

DOCTOR OF PHILOSOPHY—1

Homer Clyde House, A.B. 1896, Doane College, A.M. 1898—English Language and Literature, Germanics, Genetic Psychology

STATE MILITARY COMMISSIONS

FIRST LIEUTENANT—1

Claude Kedzie Shedd

JUNE COMMENCEMENT—1909

THE COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

BACHELORS OF ARTS—95

Alberta Beck Anderson
Milton Frederick Arnholt
Eva Laura Arnold
Herbert Willis Baird
Viola Florence Barns
Francis Leroy Barrett
Ross Waldo Bates
Alice Mercy Batty
Maxwell Vance Beghtol
Dwight Day Bell
Hubert O. Bell
Grace Bunce
Marguerette Rose Burke
Frank Asahel Burnham
Florence Butler
Samuel Gray Carney
Ruth Evans Castor
Jay Howard Cather
Lillian Almeda Chambers
Frederick Augustus Crites
Vern Alonzo Culver
Lilah Velona David
Edwin Greene Davis

Searl S. Davis
Helen Grace Day
Stuart Piper Dobbs
Martha M. Douglas
Ellet Bradley Drake
Grace Eatough
Clyde Ernest Elliott
Camille Gans Evans
Sidney Griffiths Evans
Erwin Algot Froyd
Vern Wallace Gittings
Malcolm Edgar Graham
Erma Alwilda Griffin
Edith Anita Grimm
Clara Belle Guidinger
Walter Lawrence Hadlock
Augusta Ernestine Harnsberger
Marion Smith Hart
Clara Hermansen
Lucy Rockwood Hewitt
Elmer Walker Hills
Marion Maude Horton
Myrtle Eleanor Hudson

Richard Charles Hunter
 Ernest Helmer Johnson
 Frank Arthur Jones
 Sarah Charlotte Joy
 Gertrude Kincaide
 Vida Minerva Leamer
 Fern Leet
 Albert Edwin Long
 Lora McCoid
 Ann Louise Mack
 Guy Harold Matteson
 Clara Hedges Miller
 Miriam Cora Miller
 Guy Eugene Montgomery
 Fay Nellie Myers
 Gertrude Mabel Neilson
 Gus William Peters
 Walter Lyndon Pope
 Bessie Ashby Richards
 Pauline Raper
 Justus Livingston Richey
 Hubert Carter Robertson
 Ray James Scarborough
 Henry Miller Scott
 Amy Florence Shellman

Edward Everett Shouffer
 Mabel Musetta Snyder
 John Lloyd Stahl
 Emma Charlotte Steckelberg
 Verne Catherine Stockdale
 Thomas Richard Parson Stocker
 Samuel Cheslie Stoner
 Emma Josephine Swezey
 Constance Miriam Syford
 Ethel May Tedd
 Paul Dean Thompson
 Clyde Burr Toof
 Laura Ellen Wallace
 Carl Jacob Wangerien
 Helen Merriweather Waugh
 Edna Mahala Weems
 Frank Marshall Weller
 Earle Blair Wilson
 James Lee Wilson
 Isabel Juanita Wolfe
 Wilber Sylvester Wood
 John Albert Woodard
 Lucy Lee Woodard
 Mattie Mae Woodworth

THE INDUSTRIAL COLLEGE

BACHELORS OF SCIENCE—67

Ivan Franklin Baker
 Claudius Edmund Bennett
 Della Berger
 Ira Samuel Bigger
 John Henry Blumenkamp
 Henry Blakeslee Boyden
 Edward Martin Buol
 Albert McCain Candy
 Clarence Edmund Casebeer
 Sheldon Blaine Coon
 James Francis Coupe
 Ross Cunningham
 Henry Charles Currier
 Edwin David Drake
 Arthur H. Edgren
 Harry Cowles Fleming
 Clifford Robert Fulton
 Robert Anderson Gantt
 Ralph Lowell George
 Gustavus Guy Gilbert
 Mary Belle Grimmett
 Edward Franklin Guidinger
 Albin Gust Hamel
 George Washington Hann
 Charlie Marks Hardin
 Ray Lloyd Harrison
 James Bascom Harvey
 Harry Winfield Hinman
 Erwin Hopt
 Berne Martin Howard
 George Henry Hummel
 Carl Price Jeffords
 John Blaine Johnson
 William Alfred Kelly

Millard Aischuler Klein
 Rex Hugo Leberman
 Harry Pike Letton
 Frank Edmund McCall
 August Henry Meyer
 Willard Cooke Mills
 Nels Peter Nelson
 Charles Ernest Overman
 Guillermo Pagaduan
 Edwin Rudolph Pelster
 Oliver LeGrand Phillips
 Minnie Josephine Pierce
 Wilbur A. Racely
 Christian Albert Reimer
 John Shaffer Simms
 James Roy Smith
 Hugh Seelye Stevenson
 John Duncan Taylor
 Willis Harvey Taylor
 James Lloyd Thomas
 Clinton Adam Thompson
 Claude Raymond Tillotson
 Teodulo Topacio
 Winifred Mary Tucker
 Dalmacio Urtula
 John Ernest Weaver
 Ernest Owen Weber
 Edward William White
 Lawrence Jay Whiteford
 Frederic Newton Wildish
 Reginald Myron Wildish
 Harland Clark Woods
 Frank LeRoy Zimmerman

THE TEACHERS COLLEGE

BACHELORS OF ARTS—44

John Ray Armstrong	Helma Lou Holmes
Blanche May Austin	Fanchon Marie Colleen Hooper
Henry John Broderson	Audrey Leila Jones
Belle Melvina Campbell	Minnie Edith Kruckenberg
Katherine Clopton Doyle	Hattie Liberman
Mayme Dworak	Sarah Janet Marferding
Ruth Jennette Easterday	Dorothy Sophie Mayland
Margaret Elmira Eberly	Elma Jane Milliken
Mary Elizabeth Elliott	Emma Martha Perry
Paul Whiting Evans	Ruth Amelia Price
Vera Adrienne Fall	Anna Mary Rathke
Ruby Cordella Faus	Florence Amelia Roth
Mamie Belle Ferris	Caroline Pauline Seidel
Vera Cushman Fink	Helen Jane Snyder
Bessie Matilda Fry	Louise Mary Sturdevant
Mary Catherine Graham	Esther Lillian Swanson
Helen Gray	Maude Toomey
Charles Hiram Hammond	Temple Virgil Truman
Loreine Anna Hempel	Nellie Antoinette Vail
Beulah Irene Hildreth	Mary Agnes Williams
Anna Laura Hinterlong	Lucy Truitt Woods
Besse LaVerne Holcombe	Mary Virginia Zimmer

BACHELORS OF SCIENCE—2

William Edward Flake	Vita Estelle Lanham
----------------------	---------------------

THE COLLEGE OF LAW

BACHELORS OF LAWS—33

Adelbert Walter Allen	Arthur Lawrence Joseph
Dexter Theodore Barrett	Ernest Gilbert Kroger
Arthur Burdett Bouton	Frank Justin McCarthy
Clifford Warren Calkins	Ralph Burnett Murphey
Roy Carlberg	James Milton Patton
Allyn Cole	Carl Petrus Peterson
Milton Eugene Cornelius	William Henry Reynolds
Robert W. Devoe	Paul Erastus Roadifer
John Adams Ferguson	William Ainsworth Robertson
George Agabus Fitzsimmons	Clifford C. Shoemaker
Graham Fletcher	Byrle Blanchard Stevenson
Don Carl Fouts	Dell Deronda Stull
Walter Cheston Giffen	Adolph Albert Tenoplr
Louis Archibald Gregory	Amos Thomas
Albert Arthur Heacock	John Ulmer Tingley
Henry Hubenbecker	George Arthur Westover
Edward Charles Johnston	

THE COLLEGE OF MEDICINE

DOCTORS OF MEDICINE—9

Ralph Conklin Christie, B.Sc.	Joseph Henry Sayer, B.Sc.
Harry Lyman Mantor, B.Sc.	Eugene Milton Stansbury, B.Sc.
Benjamin Lee Myers, A.B.	LaZelle Brantly Sturdevant, A.M.
Carl David Nelson, A.B.	Orren William Wyatt B.Sc.
Ada Platz	

DOCTOR OF MEDICINE CUM LAUDE—1

Merlin B. Wyatt, M.D.

THE GRADUATE SCHOOL

MASTERS OF ARTS—26

- May Noble Bardwell, A.B. 1908—Geography, Botany
 Oscar Leonard Barnebey, B.Sc. 1908—Chemistry
 Satis Chandra Basu, A.B., 1905, The University of Calcutta—Political Economy and Commerce
 Edward Charles Bishop, B.Sc. 1906, Nebraska Wesleyan University—Geography, Educational Theory and Practice
 William George Bishop, B.Sc. 1906, Nebraska Wesleyan University—Geography
 Allen Fuller Carpenter, A.B. 1901, Hastings College—Mathematics
 Vivian LeRoy Chrisler, B.Sc. 1908—Physics
 Milo Reason Daughters, A.B. 1905—Chemistry
 Flora Grace Ernst, B.Sc. 1906—Botany
 Ethel Content Field, A.B. 1908—Botany
 Kate Foster, A.B. 1906—Latin
 Clarence Jackson Frankforter, B.Sc. 1908—Chemistry
 Katherine Emily Gibson, A.B. 1907—Germanics
 Melvin Randolph Gilmore, A.B. 1904, Cotner University—Botany
 Lela Pilcher Hollister, A.B. 1905, The University of Illinois—Physiology
 Yoshima Inouye, A.M. 1906, The University of Denver—Political Economy, Sociology
 Arthur J. Ludden, A.B. 1904—American History
 Harold Edgar McComb, B.Sc. 1907—Physics
 Edward Gerrard Montgomery, B.Sc. 1906—Botany
 Daisy Jeanette Needham, A.B. 1907—European History, American History
 Edith Lucile Robbins, B.Sc. 1899—English Literature
 John William Roberts, A.B. 1904—Botany
 William Louis Schuppert, A.B. 1908, The University of Wisconsin—American History
 Joseph Elbert Taylor, A.B. 1899, Doane College—American History
 Carey Eugene Vail, B.Sc. 1906, Nebraska Wesleyan University—Agricultural Chemistry
 Hattie Plum Williams, A.B. 1902—American History and Sociology

DOCTORS OF PHILOSOPHY—2

- Clarence Emerson, B.Sc. 1906, The University of Nebraska—Bacteriology and Pathology, Animal Pathology
 Joseph Allen Warren, B.Sc. 1898, A.M. 1904, The University of Nebraska—Geography, Botany, Soils

CERTIFICATES GRANTED IN 1909

UNIVERSITY TEACHERS' CERTIFICATE—36

- | | |
|-------------------------|--------------------------|
| Blanche May Austin | Audrey Leila Jones |
| Belle Melvina Campbell | Minnie Edith Kruckenberg |
| Katherine Clopton Doyle | Hattie Liberman |
| Mayme Dworak | Sarah Janet Marferding |
| Ruth Jennette Easterday | Dorothy Sophie Mayland |
| Margaret Elmira Eberly | Edna Jane Milliken |
| Mary Elizabeth Elliott | Philip Wendell Pepoon |
| Vera Adrienne Fall | Emma Martha Perry |
| Mamie Belle Ferris | Ruth Amelia Price |
| Vera Cushman Fink | Anna Mary Rathke |
| Bessie Matilda Fry | Florence Amelia Roth |
| Mary Catherine Graham | Helen Jane Snyder |
| Helen Gray | Louise Mary Sturdevant |
| Loreine Anna Hempel | Esther Lillian Swanson |
| Beulah Irene Hildreth | Maude Toomey |
| Anna Laura Hinterlong | Mary Agnes Williams |
| Bessie LaVerne Holcombe | Lucy Trullitt Woods |
| Helma Lou Holmes | Mary Virginia Zimmer |

SCHOOL OF AGRICULTURE—71

John Albert, Jr.
 Ephream David Allen
 Delmar Henry Ankeny
 Edgar Tribble Anthony
 Bernhardt Herman Asendorf
 Alexander Henry Beckhoff
 Otto Richard Bellows
 Earl Wiswell Boydston
 William Tarbell Brown
 Ray Herbert Camp
 William Lawrence Capron
 Felix Stephen Carpenter
 John Filius Carse
 Martin Frederick Christensen
 John Charles Coupland
 Warren Andrew Doolittle
 Herbert Roscoe Dopp
 Porter William Dysart
 Albion Brenton Elder
 David Robert Ellis
 Estella May Ellison
 Lawrence Edwin Emigh
 Dennis Cleveland Fowler
 Hallie Clarence French
 Frederick Trumbull Gates
 Woodson Graham
 Phil Louis Hall
 Jules Luther Haumont
 Emerson Walter Heim
 Marie Dorothea Hennies
 Ernest Herman Herminghaus
 Franz Hofmeyer
 Paul Crary Hunter
 Charles Webster Hutchins
 Agnes Anna Isham
 Harry Herbert Johnson

Max Wallace Junkin
 Russell Joseph Junkin
 Ira Nelson Kindig
 Alfred Frank William Kraxberger
 Joseph Benjamin Kuska
 Albert Lee Lamp
 Charles William Lawson
 Otto Hugo Liebers
 Rudolph Henry Luebs
 Leroy Philip McArdle
 Archie Donaldson Middleton
 Thomas Wesley Moseley
 Clarence James Nelson
 William Mathias Ollis
 Ray Allen Parmenter
 Oren Malcolm Pollard
 John Lyman Pray
 Robert Delafield Rands
 Noel Nicholson Rhodes
 Charles Reen Richey
 George Edgar Ritchey
 Loren Cleveland Robertson
 Ray Rosenbaum
 Ralph Stanley Saul
 William Charles Schulte
 Oscar Warner Sjogren
 John Pryse Thompson
 Claude Jones Tipton
 John Vanskiver
 Lisle Loren Wait
 George Allen White
 Walter Edward Wilcox
 Robert Loring Williams
 Oscar Raymond Yeakle
 Irving Snell Young

SCHOOL OF MUSIC—12

Elsa Ackermann
 Florence Pearl Chapman
 Hilda Elizabeth Chowins
 Jessie Isabelle Clark
 Jude Deyo
 Genevieve Marie Fodrea

Annie Elizabeth Jones
 Ethel Macfarlane
 Dorothea Scott
 Marie Smith
 Ouida Wiltse
 Maude May Wolfe

SCHOOL OF MECHANIC ARTS—1

Francis Joseph Schenk

STATE MILITARY COMMISSIONS**MAJORS—2**

Erwin Algot Froyd

George Washington Hann

CAPTAINS—6

Nels Peter Nelson
 Frederick Augustus Crites
 Frank Arthur Jones

James Francis Coupe
 Gus William Peters
 Elmer Walker Hills

FIRST LIEUTENANTS—5

William Edward Flake
Frank Edmund McCall
Frank Marshall Weller

Ray Lloyd Harrison
James Lloyd Thomas

SECOND LIEUTENANTS—1

Oliver LeGrand Phillips

IN THE SCHOOL OF AGRICULTURE**MAJORS—1**

Bernhardt Herman Asendorf

CAPTAINS—4

Charles Reen Richey
Otto Hugo Liebers

Earl Wiswell Boydston
John Charles Coupland

FIRST LIEUTENANTS—6

Jules Luther Haumont
William Lawrence Capron
Felix Stephen Carpenter

Archie Donaldson Middleton
Ray Herbert Camp
David Robert Ellis

SECOND LIEUTENANTS—4

William Charles Schulte
Ira Nelson Kindig

Hallie Clarence French
Oscar Warner Sjogren

STUDENTS IN THE GRADUATE COLLEGE-156

CANDIDATES FOR DEGREE OF DOCTOR OF PHILOSOPHY

Allen, Mattie	Ansley
A. B. 1900, A. M. 1905, The University of Nebraska	
Education, Sociology	
Aul, William Eugene Adolphus.....	College View
B. S. 1897, M. S. 1899, Battle Creek College	
Education, American History	
Duncanson, Henry Bruce.....	Peru
B. Sc. 1890, A. M. 1894, The University of Nebraska	
Zoology, Botany, Geology	
Elmore, Clarence Jerome.....	Grand Island
A. B. 1895, A. M. 1896, The University of Nebraska	
Botany, Geology	
Emerson, Clarence	Lincoln
B. Sc. 1906, The University of Nebraska	
Bacteriology and Pathology, Animal Pathology	
Hargett, Anderson J.....	Augusta, Ky.
A. B. 1897, A. M. 1905, The University of Kentucky	
Mathematics, Civil Engineering and Astronomy	
Hilton, David Clark.....	Lincoln
A. B. 1900, A. M. 1902, The University of Nebraska	
Zoology	
Jackson, William Roberts.....	University Place
A. B. 1902, A. M. 1904, The University of Nebraska	
Education, Political Science	
Lute, Anna Maude.....	Paxton
A. B., B. Sc. 1906, The University of Nebraska	
Education, Botany	
Pfeiffer, Laura Belle.....	Kadoka, S. D.
A. B. 1897, A. M. 1906, The University of Nebraska	
European History	
Sullivan, Mary	Omaha
A. B. 1898, A. M. 1900, The University of Nebraska	
English Literature	
Swenk, Myron Harmon.....	Lincoln
A. B. 1907, A. M. 1908, The University of Nebraska	
Botany, Entomology	
Ulmann, Karl August.....	Lincoln
B. Sc. 1909, The University of Nebraska	
Bacteriology, Agricultural Chemistry	
Walker, Leva Belle.....	Forest Grove, Ore.
A. B. 1901, Pacific University, A. M. 1908, The University of Nebraska	
Botany	
Warren, Joseph Allen.....	University Place
B. Sc. 1898, A. M. 1904, The University of Nebraska	
Geography, Botany, Soils	

CANDIDATES FOR THE DEGREE OF MASTER OF ARTS

Anderson, Claude North.....	Kearney
B. Sc. 1890, Lombard University	
European History	
Atherton, Loren George.....	York
A. B. 1906, The University of Iowa, M. S. 1908, Christian College	
Zoology	
Bardwell, May Noble.....	Lincoln
A. B. 1908, The University of Nebraska	
Geography, Botany	
Barnebey, Oscar Leonard.....	Lincoln
B. Sc. 1908, The University of Nebraska	
Chemistry	
Basu, Satis Chandra.....	Pabua, Bengal, India
A. B. 1905, The University of Calcutta	
Political Economy and Commerce	
Bigelow, Anson Hardin.....	Lead, S. D.
B. Sc. 1887, The University of Nebraska	
Education, Geography	
Bishop, Edward Charles.....	Lincoln
B. Sc. 1906, Nebraska Wesleyan University	
Geography, Education	
Bishop, William George.....	University Place
B. Sc. 1906, Nebraska Wesleyan University	
Geography	
Brown, John Mackenzie.....	Friend
M. D. 1899, Western University of London, Canada	
Physiology	
Burdick, Burton Albert.....	University Place
A. B. 1906, Nebraska Wesleyan University	
American History	
Butcher, Thomas Albert.....	University Place
Ph. B. 1900, Nebraska Wesleyan University	
Philosophy, Political Economy, English Language and Literature	
Carpenter, Allen Fuller.....	Hastings
A. B. 1901, Hastings College	
Mathematics	
Chaikin, Annis Sarah.....	Omaha
A. B. 1908, The University of Nebraska	
Greek, Latin, Germanics	
Chrisler, Vivian LeRoy.....	Lincoln
B. Sc. 1908, The University of Nebraska	
Physics	
Dale, Raymond Elmer.....	Lincoln
A. B. 1906, The University of Nebraska	
American History, European History	
Daughters, Britannia.....	Lincoln
A. B. 1905, The University of Nebraska	
Education, Political Science and Sociology	
Daughters, Milo Reason.....	Lincoln
A. B. 1905, The University of Nebraska	
Chemistry	
Emerson, Rollins Adams.....	Lincoln
B. Sc. 1897, The University of Nebraska	
Agricultural Botany, Soils	
Erford, Ethel Pearl.....	Lincoln
A. B. 1904, The University of Nebraska	
Education	
Ernst, Flora Grace.....	Omaha
B. Sc. 1906, The University of Nebraska	
Botany	

Feemster, Howard Calvin.....	York
A. B. 1902, Drury College	
Mathematics	
Field, Ethel Content.....	Lincoln
A. B. 1908, The University of Nebraska	
Botany	
Fifer, Flora	University Place
A. B. 1899, The University of Nebraska	
Latin	
Files, Ellery Knapton.....	University Place
B. Sc. 1908, Nebraska Wesleyan University	
Agricultural Chemistry	
Foltz, Harry Lee.....	Lima, Ohio
B. L., Kenyon College	
Zoology	
Foster, Kate	Lincoln
A. B. 1906, The University of Nebraska	
Latin	
Frankforter, Clarence Jackson.....	Lincoln
B. Sc. 1908, The University of Nebraska	
Chemistry	
Fulmer, Clark Adelbert.....	University Place
Ph. B. 1898, Nebraska Wesleyan University	
Education, Educational Psychology	
Gibson, Katherine Emily.....	Weeping Water
A. B. 1907, The University of Nebraska	
Germanics	
Gillmore, Melvin Randolph.....	Bethany
A. B. 1904, Cotner University	
Botany	
Gordon, Tobie Agnes.....	Lincoln
A. B. 1906, The University of Nebraska	
Romance Languages	
Goss, Paul	Lincoln
A. B. 1909, The University of Nebraska	
Geography	
Gushee, Wallace Wadsworth.....	Friend
A. B. 1891, Brown University	
Philosophy	
Hartley, Carl Pierce.....	Lincoln
A. B. 1906, The University of Nebraska	
Botany	
Hollister, Lela Pilcher.....	Lincoln
A. B. 1905, The University of Illinois	
Physiology	
Howard, Frank Elmer.....	Lincoln
M. D. I. 1901, Iowa State Normal	
Education	
Howard, Robert Francis.....	Lincoln
B. S. 1908, The University of Missouri	
Horticulture	
Howle, Ethel Lee.....	Lincoln
A. B. 1906, The University of Nebraska	
European History, American History	
Hutton, Thomas Andrew.....	Lincoln
A. B. 1906, The University of Nebraska	
Education, American History.	
Ingram, Della Elizabeth.....	Dayton, Wash.
A. B. 1907, Washington State College	
Botany	
Inouye, Yoshima	Omaha
A. M. 1906, The University of Denver	
Political Economy, Political Science	

Jones, Lloyd Ancle.....	York
B. Sc. 1908, The University of Nebraska	
Physics	
Kerns, Mira Lillian.....	Adams
A. B. 1907, The University of Nebraska	
Germanics, Political Science and Sociology	
Knobe, Jay Carroll.....	Hebron
A. B. 1908, The University of Nebraska	
English Language and Literature, Philosophy	
Krueger Fritz Konrad.....	Kottbus, Germany
1907, Gymnasium, Berlin	
Political Science and Sociology	
Krueger, John Fritz.....	Kottbus, Germany
A. B. 1903, Midland College	
Political Science	
LaRue, George Roger.....	Lincoln
B. Sc. 1907, Doane College	
Zoology	
Leamer, Emery Winfred.....	Lincoln
A. B. 1909, The University of Nebraska	
Zoology	
Leavitt, Frederick William.....	Franklin
A. B. 1896, Doane College	
English Language and Literature	
Lewis, John Greenleaf Whittier.....	Broken Bow
A. B. 1900, Grand Island College	
American History, Jurisprudence, Political Science	
Little, Ernest Merle.....	Lincoln
B. Sc. 1907, The University of Nebraska	
Bacteriology, Animal Husbandry	
Ludden, Arthur J.....	Surprise
A. B. 1904, The University of Nebraska	
American History	
McComb, Harold Edgar.....	Wilsonville
B. Sc. 1907, The University of Nebraska	
Physics	
McLean, Margaret Helena.....	Lincoln
A. B. 1904, Buena Vista College	
Mathematics, Physics	
Matthews, Lillian Ruth.....	Sioux City, Ia.
Ph. B. 1903, The University of Iowa	
Political Science and Sociology	
*Mayland, Amy Evelyn.....	
B. Sc. 1908, South Dakota State College	
American History	
Montgomery, Edward Gerrard.....	Lincoln
B. Sc. 1906, The University of Nebraska	
Botany	
Needham, Daisy Jeanette.....	Bostwick
A. B. 1907, The University of Nebraska	
European History, American History	
Nelson, Candis Jane.....	Lincoln
A. B. 1905, The University of Nebraska	
American History, Education	
Neumann, Gustav Adolph.....	Lincoln
Diploma 1891, Eden Theological Seminary	
Newton, Earl Burdette.....	Seattle, Wash.
A. B. 1907, The University of Washington	
Zoology	
Newton, Felix.....	Lincoln
B. Sc. 1906, The University of Nebraska	
English Literature, Entomology	

Nims, Mabelle Zoe.....	A. B. 1908, The University of Nebraska Philosophy, Latin	Humboldt
Park, Fred Welmer.....	A. B. 1898, Drury College American History, European History	Lincoln
Pepoon, Philip Wendell.....	A. B. 1902, The University of Nebraska Education, American History	Lincoln
Phillips, Bertha Belle.....	A. B. 1907, The University of Michigan Germanics, Romance Languages	Lincoln
Porter, Dorothy Maud.....	A. B. 1908, The University of Nebraska English Literature	Benkelman
Pugsley, Charles William.....	B. Sc. 1904, The University of Nebraska Animal Husbandry, Plant Breeding	Lincoln
Purington, Alice McClellan.....	B. Sc. 1908, The University of Nebraska Physics	Wilcox
Purviance, Percy	A. B. 1906, The University of Nebraska Geography	University Place
Robbins, Edith Lucile.....	B. Sc. 1899, The University of Nebraska English Literature	Ord
Roberts, John William.....	A. B. 1904, The University of Nebraska Botany	Alma
Runner, Joseph James.....	A. B. 1907, The University of Nebraska Astronomy, Physics, Mathematics	Lincoln
Schuppert, William Louis.....	A. B. 1908, The University of Wisconsin American History	Madison, Wis.
Seabrook, Dorothy Mark.....	B. L. 1904, Nebraska Wesleyan University Rhetoric, English Literature	University Place
Shugart, Nettle Wills.....	B. Sc. 1893, Doane College English Literature	Lincoln
Stoner, Walter Wells.....	A. B. 1893, Otterbein University Education	York
Taylor, Joseph Elbert.....	A. B. 1899, Doane College American History	Crete
Teach, Charles Elden.....	A. B. 1903, The University of Nebraska American History, Political Science and Sociology	University Place
Temple, Charles Edward.....	A. B. 1906, The University of Nebraska Botany	Lincoln
Thompson, Warren Simpson.....	A. B. 1907, Nebraska Wesleyan University	University Place
Vail, Carey Eugene.....	B. Sc. 1906, Nebraska Wesleyan University Agricultural Chemistry	University Place
VanMiddlesworth, Edith Adella.....	A. B. 1908, Nebraska Wesleyan University Geography, American History	University Place

Walton, Charles Newton.....	Wahoo
A. B. 1904, University of Nebraska Education	
Weaver, Alvah Linn.....	Lincoln
B. Sc. 1909, The University of Nebraska Chemistry	
Weeks, Charles Rozell.....	Peru
B. Sc. 1907, The University of Nebraska Soils, Agriculture, Geography	
Wentz, Zella	Aurora
A. B. 1905, Wellesley College Mathematics, Philosophy	
Westgate, Vernon Villas.....	Lincoln
B. Sc. 1908, The University of Nebraska Horticulture	
Williams, Hattie Plum.....	Lincoln
A. B. 1902, The University of Nebraska American History, Sociology	
Woodward, Erle Bryce.....	Lincoln
M. D. 1900, The University of Michigan, B. Sc. 1906, The University of Nebraska Bacteriology	
Wort, Julia Minot.....	Lincoln
A. B. 1897, The University of Nebraska European History	

CANDIDATE FOR THE DEGREE OF CIVIL ENGINEERING

Grone, Edwin Arthur.....	Lincoln
B. Sc. 1908, The University of Nebraska Civil Engineering, Geology	

CANDIDATE FOR THE DEGREE OF ELECTRICAL ENGINEER

Harvey, Albert Lee.....	Pierce
B. Sc. 1906, The University of Nebraska Electrical Engineering	

DOCTOR OF MEDICINE CUM LAUDE

Potts, John Beekman.....	Omaha
M. D. 1907, The University of Nebraska	
Wyatt, Merlín B.....	Omaha
A. B. 1904, Nebraska Wesleyan University, M. D. 1907, The University of Nebraska	
Stoakes, Charles Stewart.....	Reinbeck, Ia.
A. B. 1905, M. D. 1907, The University of Nebraska	
Lieber, Charles	Omaha
M. D. 1908, The University of Nebraska	
Tomlinson, Charles Creighton.....	Omaha
M. D. 1908, The University of Nebraska	
Prichard, George Winthrop.....	Omaha
A. B. 1906, M. D. 1908, The University of Nebraska	

GRADUATE STUDENTS WITHOUT REFERENCE TO A
DEGREE

Alexander, Nellie Griggs.....	Lincoln
A. B. 1897, The University of Nebraska	
Anderson, Christian Alfred.....	College View
A. B. 1904, Union College	
Ballard, Clara May.....	Havelock
A. B. 1903, University of Nebraska	
Barker, Lillian May.....	Lincoln
Ph. B. 1902, Yankton College	
Barker, Percy Bonsfield.....	Lincoln
A. B. 1908, The University of Nebraska	
Bates, Sarah Glazier.....	Lincoln
A. B. 1868, A. M. 1872, Vassar College	
Bednar, Christine	Lincoln
A. B. 1903, The University of Nebraska	
Bridge, Grace Irene.....	Fremont
A. B. 1895, A. M. 1907, The University of Nebraska	
Burrage, Dwight Grafton.....	Crete
A. B. 1897, A. M. 1899, Amherst College	
Clark, Lucy Agatha May.....	Lincoln
A. B. 1903, The University of Nebraska	
Corbin, Jennie Belle.....	Lincoln
A. B. 1899, The University of Nebraska	
Crawford, Mary	Kearney
A. B. 1907, The University of Nebraska	
Ellis, Bertha	Lincoln
A. B. 1907, The University of Nebraska	
Ewing, Halle Laura.....	Lincoln
M. D. 1899, The University of Michigan	
Field, Georgia Baldwin.....	Lincoln
A. B. 1908, The University of Nebraska	
Giesecker, Leonard Frederick.....	Lincoln
B. Sc. 1908, The University of Nebraska	
Gilmore, Charles	Lincoln
B. Sc. 1896, M. S. 1908, Geneva College	
Guthrie, Edwin Ray.....	Lincoln
A. B. 1907, The University of Nebraska	
Hahn, Henry H.....	Blair
A. B. 1890, Ohio Northwest University	
Holaday, Lillie Maurine.....	Lincoln
B. S. 1900, Union College	
Horning, Ticia Blanche.....	Plattsmouth
A. B. 1905, The University of Nebraska	
Howard, Bertha Mabel.....	Lincoln
A. B. 1906, The University of Nebraska	
Kline, William Bowman.....	University Place
A. B. 1906, The Nebraska Wesleyan University	
A. M. 1908, The University of Nebraska	
Long, Edith.....	Bellingham, Wash.
A. B. 1888, Cornell University	
McGahey, Florence Irwin.....	Lincoln
A. B. 1901, The University of Nebraska	
Myers, Eda Bernice.....	Lincoln
A. B. 1907, The University of Nebraska	
Philbrick, Inez Celia.....	Lincoln
B. S. 1886, A. M. 1889, The University of Iowa	
M. D. 1891, Woman's Medical College of Pennsylvania	

Philpott, Charles Wescott.....	Lincoln
B. Sc. 1896, A. M. 1898, The University of Nebraska	
Polleys, Evelyn	Lincoln
A. B. 1904, The University of Montana	
Pound, Olivia	Lincoln
A. B. 1895, A. M. 1897, The University of Nebraska	
Purcell, John Ralph.....	North Bend
A. B. 1908, The University of Nebraska	
Putnam, John Jacob.....	Gibbon
B. Sc. 1904, The University of Denver	
A. M., The University of Chicago	
Pyrtle, Emma Ruth.....	Lincoln
A. B. 1904, A. M. 1907, The University of Nebraska	
Rowell, Winfred Peebles.....	College View
A. B. 1893, Battle Creek College, A. M. 1900, The University of Nebraska	
Ryan, Sarah A.....	Wilber
A. B. 1893, The University of Nebraska	
Scott, Robert Douglas.....	Lincoln
B. Sc. 1904, Kansas State College	
Shedd, Claude Kedzie.....	Loomis
B. Sc. 1909, The University of Nebraska	
Sheldon, Addison Erwin.....	Lincoln
A. B. 1902, A. M. 1904, The University of Nebraska	
Tremain, Mary Adell.....	Lincoln
B. Sc. 1881, A. M. 1890, The University of Nebraska	
Ward, Lydia Moore.....	Lincoln
B. L. 1899, The University of Wisconsin	
Watson, Julia Permelia.....	Lincoln
A. B. 1888, Iowa Wesleyan University	
Wilhelmson, Emma	St. Paul
A. B. 1902, The University of Nebraska	

ALPHABETICAL LIST OF STUDENTS

NAME	*COLLEGE OR SCHOOL AND YEAR	HOME ADDRESS
Abbott, Roscoe Conklin.....	I 4.....	Wood River
Ackermann, Elsie	L 2, M.....	Lincoln
Ackerman, George Morris.....	I 1.....	Ainsworth
Adams, Charles Glenn.....	Law 2.....	Lincoln
Adamson, Esther Mary.....	T 2.....	Lincoln
Adrian, George Clifford.....	L 1.....	Lincoln
Adson, Alfred Washington.....	I 1.....	College View
Agee, John Hercules.....	Law 2.....	Lincoln
Akagi, Kinju	I 3, S.....	Okayama, Japan
Aker, Lyman Louis.....	A 1.....	Harvard
Albert, John, Jr.....	A 3.....	Wahoo
Albin, Ira Marion.....	A 1.....	Salem
Alders, Henry John.....	L 1.....	Lincoln
Aldrich, Carl Jay.....	L 1.....	Pender
Alexander, Arthur Simpson.....	I 2.....	University Place
Alexander, John Merriam.....	L 3.....	Lincoln
Alexander, Mabel	T 3.....	Hiawatha, Kans.
Alexander, Mary Charlotte.....	S.....	Lincoln
Alexander, Nellie Griggs.....	G.....	Lincoln
Alle, Florence N.....	T 2.....	Lincoln
Allen, Adelbert Walter.....	Law 3.....	Bismarck, N. D.
Allen, Mrs. C. B.....	Art.....	Kansas City, Mo.
Allen, Conard Mortimer.....	L 1.....	Lincoln
Allen, Ephraim David.....	A 3.....	Clay Center
Allen, Margaret Anna.....	Lu, M.....	Ansley
Allen, Marie	M.....	Lincoln
Allen, Mattie	G.....	Ansley
Alley, Grace	S.....	Lincoln
Aling, Hazel E.....	M.....	Lincoln
Allington, Susan Elizabeth.....	T 2.....	Alma
Alway, Elora	Ju.....	Lincoln
Amberson, Alexander Boyd.....	I 2.....	Superior
Amos, Mary Leonora.....	A 1.....	University Place
Anderberry, Christine	L 3.....	Minden
Anderson, Agnes Marguerite.....	L 1.....	St. Paul
Anderson, Alberta Beck.....	L 4.....	Lincoln
Anderson, Arthur Leo.....	I 4.....	Seward
Anderson, Arvid Wilhelm.....	I 1.....	Omaha
Anderson, Carl Bernard.....	I 1.....	Nebraska City
Anderson, Christian Alfred.....	G.....	College View
Anderson, Claude North.....	G.....	Kearney
Anderson, Earl Hilmer.....	As.....	West Point
Anderson, Eddie William.....	As.....	Cozad
Anderson, Ellen Victoria.....	T 3.....	Lincoln

*L—College of Literature, Science and the Arts; I—Industrial College; T—Teachers College; Law—College of Law; Med—College of Medicine; M—School of Music; A—School of Agriculture; As—School of Agriculture, short course; D—School of Domestic Science; Ms—School of Mechanic Arts; P—School of Pharmacy; S—Summer School; G—Graduate School; Art—School of Fine Arts; u—Unclassified.
The figure indicates the year.

Anderson, Erasmus	As.	Lincoln
Anderson, Herc Vollettine.....	As.	Wilsonville
Anderson, Kathleen Inez.....	S, T 1.....	Lincoln
Anderson, Laura	M.	Lincoln
Anderson, Lewis Robbins.....	I 1.....	Genoa
Anderson, Marjorie	M.	Lincoln
Anderson, Paul	M.	Lincoln
Anderson, Selma Sophia.....	T 3.....	Omaha
Anderson, William Nance.....	Med. 3.....	Omaha
Andreas, William Claassen.....	A 2.....	Beatrice
Andrews, Agnes	M.	Cambridge
Andrews, Eleanor Roberta.....	M.	Wahoo
Andrews, Evea Maye.....	Lu.	Lincoln
Andrews, Raleigh K.....	I 1.....	College View
Angel, Leon C.....	L 1.....	Spencer
Anheuser, Amalia Allen.....	L 1.....	Omaha
Ankeny, Delmar Henry.....	A 3.....	Laurel
Ankeny, Harry Ray.....	L 1.....	Lincoln
Anson, William Sylvanus.....	As.	Royal
Anthony Edgar Tribble.....	A 3.....	Lexington
Antonides, M. Esther.....	M.	North Platte
Arakawa, Tetsujiro	Tu.	Tokio, Japan
Arbogast, Stewart Clyde.....	As.	Silver Creek
Arends, Lucia Maria.....	T 3.....	Syracuse
Arms, Louis Pliny.....	I 1.....	Omaha
Armstrong, Ernest Frank.....	T 1.....	So. Auburn
Armstrong, Glen Albert.....	I 1.....	Wisner
Armstrong, John Ray.....	T 4.....	Kingfisher, Okla.
Armstrong, Myrta	M.	Lincoln
Armstrong, Percy Cole.....	I 1.....	Edgar
Arnholt, Milton Frederick.....	L 4, S.....	Lincoln
Arnison, Jacob	M.	Lincoln
Arnold, Benjamin Harrison.....	As.	Ord
Arnold, Charles Elbert.....	A 2.....	Inavale
Arnold, Ernst Charlie.....	A 2.....	Funk
Arnold, Eva Laura.....	L 4, M.....	Fremont
Arnold, Frieda Elizabeth.....	T 1.....	Lincoln
Arnold, Henry	S.....	Sterling
Arnold, Merle Victor.....	L 2.....	Brady
Arnold, Ralph Leo.....	Law 2.....	Tobias
Arnold, Ruth Lotta.....	A 2.....	Inavale
Arnot, Pearle	T 3.....	Merriman
Aron, Della	M.	Crete
Arterburn, Agnes	T 2.....	Lincoln
Asbury, William Andrew.....	L 2.....	Lincoln
Asendorf, Bernhardt Herman.....	A 3.....	Craig
Ashley, Mabel Alice.....	S.....	Decatur
Astin, Elmer Eugene.....	Law 2.....	Alma
Aten, William Banta.....	I 1.....	Alexandria
Atherton, Loren George.....	G.....	York
Atkins, Will Everette.....	S.....	University Place
Atkinson, Isal	M.	Sumner
Atwood, Elmina Gladys.....	S.....	Lincoln
Atwood, Juliette Wright.....	Lu, A 1.....	Lincoln
Aufrecht, William Theodore.....	As.	Arcadia
Aul, William Eugene Adolphus.....	S, G.....	College View
Austin, Blanche May.....	T 4.....	Lincoln
Austin, Deborah	M.	Denton
Austin, Erma Vera.....	L 1.....	Lincoln
Austin, Mary N.....	Tu.	Omaha
Axtell, Amy Elizabeth.....	T 1.....	Lincoln
Aydellott, Bertha	N.	Humboldt
Aylsworth, Homer Elhanan.....	Law 2.....	Lincoln
Ayres, James Albert.....	L 3.....	Deadwood, S. D.

Babcock, Dora	M.	Columbus
Babcock, Hame Ernest	A 2	Columbus
Badger, Earl Wayne	As.	Central City
Badger, Mary Belle	T 2	Fairmont
Bagnell, Nelle May	M.	Lincoln
Bagnell, Ruth L.	M.	Lincoln
Bailey, Esther	T 3	Lincoln
Bailey, Irene Lou	I 1	Fairbury
Bailey, Rupert Hiram	I 3	Kearney
Bain, Kathryn Margaret	L 1	Lincoln
Baird, Herbert Willis	L 4	Lincoln
Baird, Lina Lincoln	Lu.	Lincoln
Baird, Sarah Adella	Lu.	Lincoln
Baker, Edna Margaret	M.	Lincoln
Baker, Edna	Art.	Lincoln
Baker, Ira Lewis	As.	Benedict
Baker, Irving Clinton	S.	Lincoln
Baker, Ivan Franklin	S, I 4	Lincoln
Baker, Lewis Wittmann	L 3	Lincoln
Baker, Mary Leona	Art, L 3	Lincoln
Bald, Arno Albert	Med. 2	Aurora
Balderson, Alice Rene	Lu, M.	Wilber
Balderson, Jacob August	I 2	Wilber
Baldwin, Nellie L.	M.	Shickley
Ball, Harry Ross	L 2	Hastings
Ballard, Clara May	G.	Havelock
Ballenger, Harvey Leigh	L 3	Lincoln
Ballou, Etta Mae	Lu.	Lincoln
Banks, Benjamin Franklin	As.	Wausa
Banks, Oscar William	As.	Wausa
Barber, Bert	I 1	Lewellen
Barber, Harriet L.	S.	Lincoln
Barber, Margaret Kyle	S, Lu.	Lincoln
Barbour, Eleanor	L 3, M.	Lincoln
Bardwell, Harriett	M.	Lincoln
Bardwell, May Noble	G.	Lincoln
Barger, Ada Ethel	S.	Lincoln
Barger, Vera Viola	L 2	Lincoln
Barker, Blanche Lucille	S, T 2	Lincoln
Barker, Earl Casswell	Law 1	Crofton
Barker, Lillian May	G.	Lincoln
Barker, Merlin Eugene	L 2	Lincoln
Barker, Percy Bonsfield	G.	Lincoln
Barnebey, Oscar Leonard	G.	Lincoln
Barnebey, Ruby	T 3, S.	Lincoln
Barnes, Lloyd Address	I 1	Kearney
Barney, Flavia Pearl	Lu, M.	Payette, Ida.
Barns, Ruby Elizabeth	L 2	Albion
Barns, Viola Florence	L 4	Albion
Barnum, Austin Duane	A 1	Omaha
Barr, Aaron Aubrey	As.	York
Barr, Louise	L 1	Lincoln
Barr, Marie	L 2	Lincoln
Barrett, Dexter Theodore	Law 3	Lincoln
Barrett, Francis LeRoy	L 4	Shelton
Barrett, Howard Edward	A 2	Chadron
Barrett, Mary Ethel	M.	Colorado Springs, Colo.
Barstow, Helen J.	L 2	Lincoln
Bartek, Frank Edward	As.	Weston
Bartek, Louis Alexander	As.	Weston
Bartek, Thomas Benedict	As.	Weston
Bartels, Herman Fred	As.	Tobias
Barth, Arbor Francis	I 2	Lincoln

Bartlett, Agness P.....	M.	Lincoln
Barton, Clyde Turner.....	I 1.	Pawnee City
Barton, Pearl Beth.....	T 2.	Lincoln
Basu, Satis Chandra.....	G. S.	Pabua, Bengal, India
Bates, Bessie Sarah.....	I 1.	Lincoln
Bates, Eula Katherine.....	L 1.	Springfield
Bates, Lucille	M.	Plattsmouth
Bates, Merton Ong.....	L 1.	Belgrade
Bates, Ross Waldo.....	L 4, Law 1.	Springfield
Bates, Ruth Mary.....	T 3, S.	Lincoln
Bates, Sarah Glazier.....	G.	Lincoln
Bates, William LaVerne.....	Lu.	Lodgepole
Batten, Miriam	L 2.	Lincoln
Batty, Alice Mercy.....	L 4.	Hastings
Batty, Ellizabeth	Lu, M.	Hastings
Bauer, Gertrude E.....	M.	Lincoln
Bauer, John A.....	M.	Lincoln
Bauer, Rosina Pauline.....	M.	Lincoln
Bauman, Benjamin Raymond.....	L 3.	Lincoln
Baumann, Eunice Gussie.....	L 3.	West Point
Baumann, Henry Otto.....	I 3.	Omaha
Bayard, Rachel	S.	Lincoln
Bayles, Ella Olive.....	S.	Seward
Beach, Annie	M.	Lincoln
Beach, Esther Elizabeth.....	L 1.	Auburn
Beach, Lillian May.....	Tu.	University Place
Beach, Perley Isaac.....	I 2.	Alliance
Beall, Jessie	L 3.	Lincoln
Beattie, Ethel	M.	Lincoln
Beattie, Merle M.....	M.	Lincoln
Beattie, Murray Bullard.....	As.	York
Beck, A. Louis.....	L 1.	Billings, Mont.
Becker, Wesley Charles.....	I 1.	St. Joseph, Mo.
Beckhoff, Alexander Henry.....	A 3.	Theford
Beckman, Edward Henry.....	Law 1.	Lincoln
Beckman, Harold	As.	Stromsburg
Beckman, Julia E.....	M.	Stromsburg
Beckstrom, Robert Carl.....	I 1.	Axtell
Beckwith, Bruce Raymond.....	I 1.	Red Cloud
Bednar, Christine	G.	Lincoln
Bednar, James Edmund	Law 2.	Odell
Beebe, George Alvero DeWitt.....	As.	Long Pine
Beebe, Lloyd Calvin.....	A 1.	Ainsworth
Beeler, Ferna Caroline.....	Art, Lu.	North Platte
Beermaker, Alberta	M.	Wahoo
Beesley, Lillian S. M.	M.	Ericson, River View Ranch
Beetison, Janet Holland.....	T 1, M.	Ashland
Beghtol, Jessie Gretchen.....	L 2.	Lincoln
Beghtol, Maxwell Vance.....	L 4, Law 2.	Lincoln
Behle, Lillie Ida.....	M.	Osceola
Bell, Dwight Day.....	L 4, Law 1.	Lincoln
Bell, Hubert O.....	L 4, Law 1.	York
Bell, James Stewart.....	I 1.	York
Bell, Martha Mohr.....	L 1.	Pittsburg, Pa.
Bell, Percival Howell.....	I 2.	St. Paul
Bellair, Myrtle	Art.	Lincoln
Bellatti, Annie	T 3.	Glenwood, Ia.
Bellows, Otto Richard.....	A 3.	Fairmont
Beltzer, Oren A.....	I 3.	Arapahoe
Benger, Gladys Eleanor.....	A 1.	Calloway
Bennett, Charles Abel.....	I 2.	Lincoln
Bennett, Claudius Edmund.....	I 4.	Havelock
Bennett, Grace Mildred.....	T 1.	Lincoln

DIRECTORY OF STUDENTS

497

Bennett, William Walter.....	I 1.....	Lincoln
Bennison, Ernest William.....	I 3.....	Lincoln
Bentley, Orlando	I 3.....	Lincoln
Berg, Howard George.....	I 2.....	South Omaha
Berger, Della	I 4.....	Ansley
Berger, Edmund Benj.....	I 2.....	Lexington
Berger, Helen	M	Lincoln
Berggren, Bertha	M	College View
Berggren, Mabel Josephine.....	M	Lincoln
Berggren, Victoria Emily.....	L 1.....	Wahoo
Beigman, Fannie Helen.....	Lu, M.....	Lincoln
Bergman, Gunnard Edmund.....	T 3.....	Verona
Bern, Amy Christy.....	A 1.....	Wahoo
Berry, Charles	A 1.....	Edison
Bessire, Harry Ray.....	As.	Laurel
Bethune, Anna Helen	Lu.	Lincoln
Bevins, Mildred Loretta.....	L 1.....	Omaha
Bickford, Josephine Poynter.....	M.	Lincoln
Biddlecom, Leonard Skinner.....	I 2.....	Havelock
Bierman, Theo H.....	L 2.....	Hastings
Bierman, William Frederick.....	As.	Wisner
Bigelow, Anson Hardin.....	G.	Lead, So. Dak.
Bigelow, Nettle Theo.....	A 1.....	Smithfield
Bigger, Ira Samuel.....	I 4, S.....	University Place
Bignell, Vera Gertrude.....	M, Art.....	Lincoln
Biles, Edna	T 1.....	Pender
Biles, Jessie	T 3.....	Pender
Bills, Breta	L 2.....	Lincoln
Binder, Frederick	S, Med. 2.....	Schuyler
Binney, Millard Smith.....	L 2, S.....	Fullerton
Bintz, Benjamin Franklin.....	As.	Cortland
Birdsall, Corinne	M.	Lincoln
Birge, Alice M.....	I 2.....	North Platte
Birkner, Gisela Julia.....	T 1.....	Lincoln
Birkner, Hugo Ernst.....	I 3.....	Lincoln
Bischof, George Hugo.....	I 2.....	Nebraska City
Bishop, Edward Charles.....	G.	Lincoln
Bishop, Harland Dale.....	I 1.....	Superior
Bishop, Jennie Chandler.....	Lu.	Lincoln
Bishop, Loren LeRoy.....	I 3.....	Superior
Bishop, Pauline Alma.....	S.	Lincoln
Bishop, William George.....	G.	University Place
Bittner, Ralph Grant.....	I 1.....	Osceola
Bittner, Walter Milton.....	I 1.....	Osceola
Bixby, Winfred Henry.....	I 1.....	Crete
Blackstone, George Blanchard.....	I 2.....	Craig
Blackwood, Cora	Art, Lu.....	Edison
Blain, Bess	M.	Pawnee City
Blanchard, James Bowers.....	I 1.....	Chadron
Blanchard, LaFayette Randall.....	I 1.....	Chadron
Blanchard, William Hewitt.....	I 3.....	Lincoln
Blecka, Fannie	A 1.....	Stanton
Blecka, Joseph	A 1.....	Clarkson
Blenkiron, Florence Eleanor.....	L 1.....	Sioux City, Ia.
Blenkiron, Joseph Matthew.....	Law 2.....	Sioux City, Ia.
Blish, Morris Joslin.....	I 2.....	Omaha
Bliss, Mabel Ford.....	S.	Bertrand
Blodgett, Rachel Nellie.....	L 2.....	Raymond
Blomenkamp, John Henry.....	I 4, Med. 2.....	Hastings
Blunk, Ella	L 2.....	Aurora
Bly, Irma M.....	M.	Lincoln
Bly, Mark Warren.....	I 1.....	Beaver City
Bock, Robert Chipperfield.....	As.	South Auburn

Bocken, Herman	Med. 2.....	Harlan, Ia.
Boehmer, Edna	M.	Lincoln
Boden, John Oscar.....	As.	Osceola
Bodley, George Beebe.....	As.	Wahoo
Bogenhagen, August	As.	Osmond
Bolibaugh, Charles Godfrey.....	I 2.....	Holbrook
Bolln, Fay Etta.....	S.	Panama
Bolton, Ralph	As.	Geneva
Bolinger, Hugh J.....	I 1.....	Rogue, Kans.
Bond, Bertha	M.	Washington, Kans.
Bong, Esther Elizabeth	S.	Havelock
Bonnell, Elizabeth	Lu, M.....	Lincoln
Bonner, Elizabeth E.....	M.	North Platte
Bonser, Nellie Anna.....	A 1.....	Bertrand
Booth, James Lewis.....	I 1.....	University Place
Booth, Sanborn Edward.....	A 2.....	Central City
Borg, Charles Theodore.....	Law 3.....	Lindsay
Borg, Joseph Alfred.....	As.	Lindsay
Bormann, Frederick Herman.....	A 2.....	Chalco
Boswell, Harry Dillman.....	I 3, Med. 1.....	Lincoln
Bothwell, Russell Edwin.....	L 1.....	Lincoln
Boydston, Earl Wiswell.....	A 3.....	Holdrege
Bousfield, John Channing.....	I 2.....	Auburn
Bouton, Arthur Burdette.....	Law 3.....	Bellwood
Bower, John Hall.....	As.	Madrid
Bowers, Benjamin Arthur.....	Tu.	Lincoln
Bowman, Susie	T 1.....	Albion
Boyce, John Shaw.....	I 2.....	Lincoln
Boyden, Henry Blakeslee.....	S, I 4, Med. 2.....	Ravenna
Boydston, Clare	S, Art.....	Lincoln
Boyes, Will Edwin.....	I 1.....	Hebron
Boyles, Dale Skiles.....	L 1.....	Alvo
Bozarth, Walter Nelson.....	I 3.....	Hebron
Bracelen, Mary Margaret.....	Lu.	Lincoln
Bracken, Stanley	I 2.....	Blair
Brady, Heman Geer.....	Tu.	University Place
Brain, John Bell.....	Law 1.....	Omaha
Brainard, Willis Nathaniel.....	A 1.....	Lincoln
Branch, Zelda	L 2.....	Lincoln
Brandhorst, Amy	M.	Seward
Branson, Libby Atlanta.....	Lu.	Lexington
Brant, William Henry.....	Law 1.....	Springview
Bratney, Elgin Floyd.....	I 2.....	Hastings
Bratton, Lester George.....	I 2.....	South Omaha
Breeze, Mabelle Olive.....	L 1.....	Lincoln
Brenizer, Bessie May.....	T 3.....	Bennett
Bressler, Ruth	Lu.	Wayne
Brewster, Bertha	M.	Lincoln
Brewster, Willard	M.	Lincoln
Bridge, Grace Irene.....	G.	Fremont
Bridges, Mabel Luella.....	Lu.	Sterling
Briggs, Arch Lee.....	I 2.....	Oconto
Briggs, Crete Cayula.....	T 2.....	Plattsmouth
Briggs, Eugene Earle.....	I 1.....	Reemer
Briggs, Frank William.....	I 1.....	Lincoln
Brigham, Edgar	I 1.....	College View
Brininger, Fay Carrie.....	I 1.....	Grand Island
Brinton, Charles Wilmot.....	A 1.....	Lincoln
Brittling, F. Cornelia.....	M.	Lincoln
Broadfield, Anna	Tu.	Omaha
Broberg, Hilma	M.	Newman Grove
Brock, Helen W.....	Art.....	Lincoln
Brodahl, Oscar Nelson.....	I 4.....	Ashland

Brodboll, Susan M.....	M.	Lincoln
Broderson, Henry John.....	T 4.....	Shickley
Brodrick, Carl Alexander.....	I 3.....	Fairfield
Brodrick, Hattie Mabel.....	S, T 1.....	College View
Brogan, Albert Perley.....	L 2.....	Benson
Brokaw, William H.....	As.....	Milford
Brooks, F. Alice.....	M.....	Lincoln
Brown, Ben Franklin.....	A 1.....	Chapell
Brown, Benjamin Alonzo.....	Law 2.....	Lynch
Brown, Clarence.....	M.....	Lincoln
Brown, Clinton Mahlon, Jr.....	L 3.....	Cambridge
Brown, Corol Edwin.....	S.....	Lincoln
Brown, Cora Maude.....	I 1.....	Sterling
Brown, Delcine.....	T 1.....	York
Brown, Dixon Palmer.....	As.....	Fullerton
Brown, Ethel.....	L 1.....	Western
Brown, Frank Ross.....	I 1.....	Miller
Brown, Grace Ida.....	T 1, M.....	Lincoln
Brown, James Robert.....	As.....	Fairbury
Brown, John Mackenzie.....	G.....	Friend
Brown, Joseph Edwin.....	I 1.....	Rushville
Brown, June.....	L 1, M.....	Kearney
Brown, Lucille.....	L 1.....	Kearney
Brown, Mable Roberte.....	L 1.....	Sutton
Brown, Minnie G.....	M.....	Lincoln
Brown, Mamie Ellen.....	I 3.....	Fremont
Brown, Mary Anne.....	Iu.....	University Place
Brown, William Tarbell.....	As.....	Scribner
Brownell, Roy Almond.....	I 1.....	Omaha
Brumbaugh, Errol Vane.....	S.....	Aberdeen, S. D.
Bruner, Helen Marcia.....	L 1.....	Lincoln
Bryan, Edna Elizabeth.....	T 4, S.....	Lincoln
Bryan, Grace Dexter.....	Lu, M.....	Lincoln
Bryan, Mary.....	M.....	Lincoln
Bryan, William Jennings, Jr.....	Lu.....	Lincoln
Bryant, Myrtle.....	M.....	University Place
Buchanan, Charles Louis.....	As.....	Unadilla
Buchler, Blanche.....	M.....	Alma
Buck, Julia.....	M.....	Melbourne, Ia.
Buckner, Arthur Warner.....	L 1.....	David City
Buckworth, Blanche.....	Lu.....	Lincoln
Buddenberg, Elfrida Constance.....	L 3.....	Omaha
Buehler, Carl Aaron.....	A 1.....	Sterling
Bull, Christian Bernhard.....	A 2.....	Elkhorn
Bullard, Stanley F.....	I 2.....	Pawnee City
Buller, Jacob P.....	S.....	Henderson
Bullock, Flora.....	M.....	Lincoln
Bullock, Theodore Tunison.....	L 2.....	Lincoln
Bumstead, Carl Arthur.....	Med. u.....	Lincoln
Bumstead, John Alden.....	L 2.....	Lincoln
Bunce, Grace.....	L 4.....	Lincoln
Bunting, Archer Maury.....	Law 2.....	Lincoln
Buol, Edward Martin.....	I 4.....	Randolph
Buol, George.....	Med. 3.....	Randolph
Buol, John William.....	I 1.....	Randolph
Burden, Harry Lee.....	I 2.....	Hebron
Burdic, Lloyd Delos.....	L 1.....	Herman
Burdick, Burton Albert.....	S, G.....	University Place
Burger, Mary Manata.....	Art.....	Doniphan
Burke, Ellena.....	N.....	Lincoln
Burke, Frank Charles.....	Law 2.....	Lincoln
Burke, John Bernard.....	As.....	Central City
Burke, Joseph Patrick.....	I 3.....	Lincoln

Burke, Marguerette Rose.....	S. L 4.....	Lincoln
Burkett, Ethel	M.	Lincoln
Burkey, Levi Melville.....	Law 2.....	Burkey, N. D.
Burleigh, William Henry.....	I 3.....	Fairbury
Burnham, Frank Asahel.....	S, L 4, Med. 2...	Pawnee City
Burns, Hiram Delaney.....	I 1.....	South Omaha
Burr, Alfred Ernest.....	Law 2.....	Lincoln
Burrage, Dwight Grafton.....	G.	Crete
Burris, Roselle Otis.....	L 3.....	Upper Alton, Ill.
Burritt, Esther Mosher.....	T 2.....	Lincoln
Burritt, Grace Helen.....	T 1.....	Lincoln
Burrows, Margaret	Lu.	Lincoln
Burwell, James H.....	Lu.	Lincoln
Busch, Lloyd Albert.....	A 2.....	Orleans
Bushnell, John Donald.....	L 1.....	Lincoln
Busk, Myrtle Elizabeth.....	T 2.....	South Omaha
Butcher, Thomas Albert.....	G.	University Place
Butler, Florence	L 4.....	Lincoln
Butler, Louise	M.	Lincoln
Butler, Sidney Reed.....	I 1.....	Superior
Byerts, William Edward.....	I 3.....	Lincoln
Byram, Mary Helen.....	Lu.	Decatur
Byrne, Walter Still.....	I 1.....	Omaha
Cacy, James Stewart.....	A 2.....	Albion
Cain, Harry Neal.....	I 2.....	Falls City
Caldwell, Evelyn	Art.	Lincoln
Caldwell, Katharine Margaret.....	T 3, S.	Central City
Caldwell, Samuel Lawrence.....	S.	Lincoln
Calhoun, Irma Irene.....	T 2.....	Ashland
Calkins, Clifford Warren.....	Law 3.....	Lincoln
Calkins, Lloyd Elmer.....	I 1.....	Lincoln
Callahan, Mrs. Thomas.....	M.	Lincoln
Callan, John Slitzel.....	L 1.....	Odell
Cameron, Donald Caleb.....	I 1.....	North Platte
Cameron, Janet Grey.....	T 2.....	Lincoln
Camp, Marian A.....	M.	Lincoln
Camp, Ray Herbert.....	A 3.....	Republican City
Campbell, Belle Melvina.....	T 4.....	Holdrege
Campbell, Blanche M.....	L 1.....	Auburn
Campbell, Charles William.....	Law 3.....	Fullerton
Campbell, Georgia Caroline.....	Lu.	Lincoln
Campbell, Jean	A 1.....	Georgetown
Campbell, John Ellsworth.....	A 1.....	Clarks
Campbell, May Llewellyn.....	S.	Clarks
Campbell, Robert Earle.....	I 3.....	Omaha
Campbell, Russell Eugene.....	A 2.....	Harbine
Campbell, Valore Paul.....	I 1.....	Fullerton
Campion, Margaret Isabel.....	Lu.	Lincoln
Canaday, Floy Mildred.....	S.	Weeping Water
Candy, Albert McCain.....	I 4.....	Lincoln
Canine, Fayette Darlene.....	S.	Lincoln
Cannell, Ellen Elizabeth.....	T 3.....	Lincoln
Cannell, Jennie	Lu, M.	Lincoln
Canon, Claire	M.	Lincoln
Capron, Allen Weston.....	A 2.....	Belmont
Capron, William Lawrence.....	A 3.....	Lincoln Heights
Carey, Charles Lyle.....	I 1.....	Bancroft
Carlberg, Roy	Law 3.....	Bancroft
Carlisle, Fred	As.	Bradshaw
Carlson, Adolph Simon.....	I 2.....	Oakland
Carlson, Frank Emmanuel.....	Lu.	Lincoln
Carnes, Foss DePauw.....	Iu.	University Place
Carnes, Lula	M.	Greenwood

Carney, Samuel Gray.....	L 4, Law 1.....	Sutton
Carpenter, Allen Fuller.....	G.....	Hastings
Carpenter, Felix Stephen.....	A 3.....	Poole
Carpenter, Paul Revere.....	I 2, M.....	Sheldon
Carr, Anna Bertha.....	Lu, M.....	Springview
Carrell, Dora.....	M.....	Lincoln
Carriker, Marie King.....	T 3.....	Nebraska City
Carrington, Geo. Dodd, Jr.....	Tu.....	Auburn
Carroll, Daniel.....	As.....	Carroll
Carroll, Joseph Francis.....	Law 1.....	Dixon
Carroll, Robert McKay.....	I 2.....	Fremont
Carroll, Wayne Tom.....	I 1.....	Gothenburg
Carse, John Filius.....	A 3.....	Omaha
Carson, Harry R.....	Med. 3.....	Lincoln
Carstensen, Amelia Christine.....	Lu, M.....	Lincoln
Carter, Albert.....	L 1.....	Weeping Water
Cary, Horace Jackson.....	I 3.....	Kearney
Case, Lucile Harriet.....	S.....	Lincoln
Casebeer, Clarence Edmund.....	I 4.....	Blue Springs
Casey, Eva.....	S.....	Pawnee City
Castek, Elizabeth.....	M.....	Schuyler
Castile, Donald Isaac.....	L 2.....	Stromsburg
Castor, Ruth Evans.....	L 4.....	Lincoln
Cathcart, Ethel.....	M.....	Funk
Cather, Elsie Margaret.....	L 1.....	Red Cloud
Cather, Jay Howard.....	L 4, Law 1.....	Lincoln
Cattle, Alice.....	M.....	Seward
Cattle, Robert Turner.....	Law 1.....	Seward
Caviness, Leon Leslie.....	S.....	College View
Cejka, Rose Henrietta.....	A 1.....	Valparaiso
Chaikin, Annis Sarah.....	G.....	Omaha
Chain, Albert Bushnell.....	I 2.....	York
Challis, Mary A.....	L 1.....	Lincoln
Chalmers, Clinton Harvey.....	I 3.....	North Bend
Chaloupka, William.....	I 4.....	Wilber
Chamberlain John R.....	L 1.....	Nelson
Chambers, Alexander Robertson.....	Law 1.....	West Point
Chambers, Alice Orintha.....	T 1.....	West Point
Chambers, Bernice M.....	M.....	Lincoln
Chambers, Bessie F.....	M.....	Lincoln
Chambers, Frank Ernest.....	T 1.....	West Point
Chambers, Harmon Arthur.....	P 1.....	Table Rock
Chambers, Lillian Almeda.....	L 4.....	Lincoln
Chapin, Marion.....	M.....	College View
Chapline, Nettie.....	L 2.....	Lincoln
Chapman, Florence P.....	M.....	Lincoln
Charlton, Charles Percy.....	D 2.....	Lincoln
Charlton, Harry Douglas.....	L 2.....	Lincoln
Chase, Carl Fred.....	I 3.....	Pawnee City
Chase, Floyd Josiah.....	L 1.....	Pawnee City
Chase, Helen Marguerite.....	L 1, M.....	Lincoln
Chase, John Laon.....	As.....	Florence
Chase, Nina Lily.....	Lu.....	Omaha
Chase, Norma Lillian.....	L 1, M.....	Kearney
Chatburn, Mary Frances.....	L 1.....	Lincoln
Channer, Walter Frank.....	I 2.....	Osceola
Cheek, William Harrison.....	Lu.....	South Omaha
Cheney, Ada.....	S.....	Wahoo
Chenoweth, Ethel A.....	M.....	Lincoln
Chenoweth, Zora Lou.....	L 3.....	Ohlwa
Cherry, Charles LeRoy.....	S.....	DeWitt
Chestnut, Harry Allister.....	As.....	Geneva
Chilcress, Orville Charles.....	As.....	Bostwick

Chmellr, Matilda	Lu.	Crete
Chouries, Hilda E.	M.	Lincoln
Chowins, Charles Martin	I 2.	Lincoln
Christensen, Earl Edwin	Ms.	Friend
Chrisler, Vivian LeRoy	G.	Lincoln
Chrisman, Edna G.	M.	Lincoln
Christenson, Fred	Med. u.	Crete
Christenson, Martin Frederick	A 3.	Superior
Christie, Ralph Conklin	Med. 4.	Omaha
Christner, Augusta	T 1.	Lincoln
Churchill, Grace M.	T 1.	Malvern, Ia.
Cizek, Mary Phoebe	A 1.	Prague
Cizek, Thomas	A 1.	Prague
Claasen, John Jansen	A 2.	Beatrice
Clapp, Marie	Art.	Hollenberg, Kans.
Clapp, Mary Helen	M.	Hollenberg, Kans.
Clark, Beatrice	M.	Lincoln
Clark, Clarence Leon	L 1.	Lincoln
Clark, Earl Roscoe	L 1.	South Omaha
Clark, Ethel	L 2, S.	Lincoln
Clark, Frank Jones	L 1.	Wahoo
Clark, Grace	M.	Lincoln
Clark, Hazel Theodora	L 1.	Lincoln
Clark, James Irving	L 1.	St. Edward
Clark, Jesse Maynard	I 3.	South Omaha
Clark, Jessie Isabelle	Lu, M.	Lincoln
Clark, John Elliott	I 2.	Lincoln
Clark, Lacey Dennison	A 2.	Fairbury
Clark, Lucy Agatha May	G.	Lincoln
Clark, May Roberts	Lu.	Lincoln
Clark, Melissa Evelyn	L 2.	St. Edward
Clark, Oscar Bird	Law 3.	Lincoln
Clark, Ralph Willis	I 3.	Lincoln
Clark, Ruby Geneva	Lu, M.	Lincoln
Clary, Cora Ellen	Lu.	Lincoln
Clausen, John Jacob	A 2.	Dix
Clay, Roy Stanley	L 1.	Lincoln
Cleaver, Vera Genevieve	L 1.	Neligh
Cleland, Maragret	Lu.	Beaver Centre, Pa.
Clement, Amanda Edith	L 2.	Hudson, S. D.
Cleveland, Sophie	Tu.	Omaha
Clifford, Leon	M.	Lincoln
Cline, Adelbert B.	M.	Lincoln
Cline, James Alexander, Jr.	L 3.	Lincoln
Cline, Katherine	Iu, A 1.	Lincoln
Cline, Lucile	M.	Lincoln
Clymer, Roy	As.	Garrison
Clodfelter, Mary E.	L 1.	Onawa, Ia.
Coad, Ralph George	L 1.	Omaha
Coates, George Francis	I 1.	Grand Island
Cobbey, Jean A.	Law 1.	Beatrice
Cobbey, Josephine Emeline	L 3.	Beatrice
Cochran Robert Leeroy	I 3.	Brady
Codington, Waring Lafayette	I 3.	Auburn
Coffman, Cora Bell	Lu.	Lincoln
Coffman, Ethel Benlah	L 1.	Lincoln
Cogill, Annie M. Theodosia	Lu.	Lincoln
Cole, Allyn P.	Law 3.	Lincoln
Cole, Ethel May	Pu.	Minatare
Cole, Frank Howard	A 1.	Loomis
Coleman, Eunice Belle	T 1.	Lincoln
Coleman, Grace Verna	S, L 1.	Tecumseh
Coleman, Lois	L 1.	Bostwick

Coleman, Ruth	Art.	Bostwick
Coleman, Samuel Thomas.....	As.	Geneva
Coleman, William Earl	L 3.	Bostwick
Collett, Clinton Ellsworth.....	S.	Valentine
Collier, Nelson Martin.....	I 3.	Fairbury
Collins, Curtis Crider.....	I 1.	Stamford
Collins, John Gilmore.....	I 1.	Kearney
Collins, Sidney Morrison.....	Law 1.	Lincoln
Conard, Lucretia Mary.....	S.	Fullerton
Compton, Alice Eliza.....	T 3.	Lincoln
Comstock, Edgar DeWitt.....	A 1.	Comstock
Comstock, Wilhelmina	Lu, M.	Calhan, Colo.
Conant, Alice Widney.....	M.	Lincoln
Cone, Charles Gardner.....	A 2.	Bethany
Cone, Henrietta	M.	University Place
Cone, Howard Henry.....	A 2.	Bethany
Conkling, Fannie Riggs.....	T 3.	Franklin
Conn, Doak Oswin.....	Iu.	Superior
Conner, Charles Franklin.....	I 1.	Stratton
Conner, Myra	L 3.	Lincoln
Conger, Myrta	M.	Cody, Wyo.
Converse, Ploma Muriel.....	Lu.	Fairbury
Cook, Bess Harriett	Tu.	Lincoln
Cook, Carleton Harris.....	I 1.	Malvern, Ia.
Cook, Charles Allen.....	I 2.	Table Rock
Cook, Helen	M.	Lincoln
Cook, Inez Mabel.....	Lu.	Beaver Crossing
Cook, Kenneth Rice.....	I 1.	Malvern, Ia.
Cook, Mary Elizabeth.....	L 2.	Beatrice
Cook, Myra May.....	L 4.	Liberty
Cook, Wauneta Emma.....	S.	Lincoln
Cooke, Harold Thomas.....	I 3.	Missouri Valley, Ia.
Cooley, Grace Irene.....	L 1.	Hebron
Coon, Sheldon Blaine.....	I 4.	Crete
Coons, Franklin Wayne.....	S.	Humboldt
Coons, Isabel	M.	Lincoln
Cooper, Carrie	M.	Holbrook
Corbin, Jennie Belle.....	G.	Lincoln
Corey, Geo. Worthington.....	I 1.	College View
Cornelius, Milton Eugene.....	Law 3.	Lincoln
Cornell, Clare B.....	S.	Lincoln
Cornell, Ethel	M.	Lincoln
Cornell, Odyne Omega.....	L 3.	Weatherford, Okla.
Cornell, R. Ashpashti.....	M.	Weatherford, Okla.
Cornell, Ralph Dalton.....	L 1.	Holdrege
Cornish, Anna V.....	Art.	Lincoln
Cornwell, Ruth	M.	Pilger
Coryell, Clyde Wilford.....	I 1.	Johnstown
Costigan, Henry	M.	Lincoln
Cotterman, Leo Kay.....	I 1.	Albion
Cottler, George Thomas.....	A 1.	Mound City, Mo.
Cotton, Helen Louise.....	L 1.	Lincoln
Cotton, Lucie Ann.....	Lu.	Lincoln
Cottrell, Roy Melvin.....	I 2.	Auburn
Coulter, Harral Wheeler.....	L 2.	Lincoln
Coupe, James Francis.....	I 4.	Falls City
Coupland, John Charles.....	A 3.	Elgin
Courtney, Irene Geraldine.....	Law 3.	Lincoln
Cowgill, Allen Parker.....	I 2.	Lincoln
Cowling, William Shenberger.....	I 1.	Aurora
Cox, Leola	Art.	Lincoln
Cox, Vera	M.	Hampton
Coy, Laurence	L 1.	Valley

Orago, Alfred	S.	Lincoln
Cramb, Iona	S.	Lincoln
Crancer, Ray Ayotee.....	L 1.	Loomis
Crawford, Francis	M.	Kearney
Crawford, Mary	G.	Kearney
Creekpaum, Charles Cloyd.....	L 1.	Lincoln
Creekpaum, Grace Anna.....	T 2.	Lincoln
Creekpaum, Jeannette Nelle.....	Lu, M.	Lincoln
Crews, Bess	S, Tu.	Culbertson
Crichfield, Ethel	M.	Lincoln
Crites, Frederick Augustus.....	L 4.	Chadron
Crittenden, Mrs. C. G.....	Art.	Lincoln
Cronin, Thomas Richard.....	I 1.	Lincoln
Crossley, Wilma Ruth.....	L 1.	Kearney
Crouch, Inal	M.	Glenwood, Ia.
Crowley, Edward Xavier.....	Med. u.	Lincoln
Cruickshank, Clara Catherine.....	L 1.	Lincoln
Culley, Jessie Margaret.....	T 2.	Loup City
Culver, Frederick Davison.....	S, M, L 3.	Milford
Culver, Ida	S.	Holdenville, Okla.
Culver, Lula	Lu.	Milford
Culver, Vere Sanford.....	I 3.	Albion
Culver, Vern Alonzo.....	L 4.	Albion
Cumming, Benjamin Harrison.....	I 1.	Lebanon
Cummins, Harry Alonzo.....	A 2.	Seward
Cunningham, Ross Horace.....	I 4.	Liberty
Curley, Frank L.....	I 1.	Blair
Currier, Edwin L.....	I 1.	St. Edward
Currier, Henry Charles.....	I 4.	St. Edward
Currier, Mary Foster.....	L 2.	St. Edward
Curtis, Hazel Margaret.....	L 1.	Lead, S. D.
Curtis, Herbert James.....	Law 2.	College View
Curtis, Randall Fuller.....	L 1.	Omaha
Cusack, Harry Christopher.....	I 2.	North Bend
Cushman, Frank	As.	Archer
Cutler, Frances E.....	M.	Lincoln
Cutter, Irving Samuel.....	Med. 3.	Lincoln
Daily, Mabel	M.	Bertrand
Dale, Everette Edwin.....	I 1.	Rushville
Dale, Philip Marshall	I 3, Med. 1.	Greenwood
Dale, Raymond Elmer.....	G.	Lincoln
Dalberg, Melle	M.	Osceola
Dallas, James Andrews.....	S.	York
Dalling, Winnie Fern.....	A 1.	University Place
Dally, Rose Marie.....	M, L 2.	Dunlap, Ia.
Dalton, Laura Irene.....	I 2.	Lincoln
Damerell, Mary E.....	M.	Red Cloud
Daniels, George Augustus.....	I 2.	Lincoln
Danielson, Melvia L.....	M.	Loup City
Danly, Bert Cunningham.....	I 1.	Axtell
Danly, Ernest Everett.....	Law 1.	Axtell
Dann, Albert Warren.....	L 3.	Lincoln
Darling, Mae	S.	Omaha
Darrow, Edna Rose.....	L 3.	Lincoln
Darrow, Ralph A.....	M.	New Hampton, Ia.
Daughters, Britannia	G.	Lincoln
Daughters, Milo Reason.....	G.	Lincoln
Davenport, Harrison Waldemar.....	L 1.	Valentine
David, Lillah Velona.....	L 4.	Lincoln
Davies, Reginald Emmett.....	I 1.	Seward
Davis, Adella Adeline.....	Art.	Lincoln
Davis, Andrew Harrison.....	A 1.	Gordon
Davis, Cella Grace.....	L 1.	Lincoln

Davis, Claude Lloyd.....	As.	Gordon
Davis, David Nesbit.....	As.	Pawnee City
Davis, Earl Harrison.....	L 2.....	Lincoln
Davis, Edwin Greene.....	L 4, Med. 1.....	Lincoln
Davis, Elliot Regester.....	A 2.....	Holbrook
Davis, Emma Katherine.....	S.	Lincoln
Davis, Everett C.....	A 1, As.....	Holbrook
Davis, Florence E.....	T 2.....	Lincoln
Davis, George Armor.....	Med. 1.....	Upland
Davis, Gordon Edward.....	I 2.....	Gretna
Davis, Guy Russel.....	L 1.....	Lincoln
Davis, Helen Bissing.....	L 2.....	Lincoln
Davis, Ira Moody.....	Law 1.....	Denton
Davis, Kate Pauline.....	S.	Lincoln
Davis, Kent Preston.....	A 1.....	Lincoln
Davis, Melvin Dwight.....	A 1.....	Pawnee City
Davis, Searl S.....	L 4.....	Lincoln
Davis, Walter LeRoy.....	M, I 1.....	Lincoln
Davis, Walter Rawlan.....	Lu.	Lincoln
Davison, Paul Root.....	S.	Lincoln
Davison, Royce Clinton.....	A 2.....	Fairfield
Davison, Willard Alton.....	I 2.....	Fairfield
Dawson, Ralph Ward.....	L 2.....	Lincoln
Day, Alice Ellen.....	S, Lu.....	Lincoln
Day, Elsie	Iu.	Lincoln
Day, Helen Grace.....	L 4.....	Beatrice
Day, Will James.....	A 2.....	Superior
Deahl, Winifred E.....	M.	Lincoln
Dean, Edwin Benjamin.....	Law 1.....	Lincoln
DeBell, Nellie Warner.....	L 1.....	West Point
DeBoit, Victor Hugo.....	Lu.	Omaha
Decatur, Charles Edward, Jr.....	Law 2.....	Lincoln
Deeds, Ellis Earl.....	A 1.....	Stromsburg
Deets, Milford	I 2.....	Hastings
Delano, Crawford Morton.....	I 1.....	Lincoln
Delano, Harry Calvin.....	A 1.....	Arcadia
Dell, Claude Cullen.....	As.....	Beatrice
Delmage, Maude	Lu.	Des Moines, Ia.
Demaray, Warren Gray.....	A 1.....	Dunning
Demaree, Bertha Francis.....	Med. u.....	Wilsonville
Deming, Burla Ruby.....	I 1.....	Cortland
Deming, Carrie Ruth.....	Art, L 1.....	South Bend
Deming, Edna Rosellen.....	Lu.	Cortland
Deming, Jessie Iona.....	S, L 3.....	South Bend
Dennis, Anne Elizabeth.....	Art, L 1.....	Omaha
Denny, Gladeth Gaineverre.....	S, M.....	Lincoln
Derby, Gladstone	Med. u.....	Lincoln
Detwiler, Bertha May.....	S.	Raymond
Devalon, Esther	T 2.....	Omaha
DeVoe, Robert W.....	Law 3.....	Lincoln
Dewald, Claude	I 3.....	West Point
Dewell, Seba	Lu.	Lincoln
Dewey, Alta Mae.....	L 1.....	Ulysses
Dewey, Carrie Emily.....	S, M.....	Fairmont
DeWolf, Geo. Elwin.....	L 1.....	Gibbon
Deyo, Jude	M.....	Lincoln
Dickinson, Frank	L 2.....	Lincoln
Dill, Byron Edgar.....	Tu.	Wilber
Dill, Elmer	L 1.....	Belvidere
Dill, Lucy Annie.....	L 1.....	Grand Island
Dimery, Della Nina.....	Tu.	Beaver Crossing
Dinsmore, Francis Elmen.....	L 2.....	Lincoln
Dinsmore, Helen	L 1.....	Lincoln

Dion, May Delima.....	T 3.....	North Bend
Dirks, John Thomas.....	I 2.....	South Auburn
Ditterline, Ezra.....	I 2.....	Lincoln
Dixon, Howard Emerson.....	Law 1.....	Blair
Dobbins, Arthur Gilbert.....	L 1, M.....	Burchard
Dobbs, Stuart Piper.....	L 4, Law 1.....	Beatrice
Dobry, Charles Wesley.....	Law 1.....	St. Paul
Dobson, Arthur Allan.....	I 2.....	Lincoln
Dobson, Ellen Martha.....	I 1.....	Lincoln
Dobson, John D.....	A 1.....	Primrose
Dobson, Mark Howard.....	L 2.....	Lincoln
Dobson, William Hodge.....	I 4.....	Cedar Rapids
Dodds, Orvis Paul.....	I 2.....	Wahoo
Dohner, Florence Lyman.....	T 2.....	Lincoln
Dolansky, Viasta Bessie.....	Lu.....	Lincoln
Doll, George Alfense.....	Law 2.....	Lena, Ill.
Dolson, Henry Graham.....	A 1.....	Lincoln
Domingo, George M.....	A 1.....	Weeping Water
Donato, Anthony Z.....	S.....	Prague
Donelson, Ernest Emanuel.....	As.....	Stromsburg
Donlen, Daniel Ray.....	I 1.....	Ponca
Doolittle, Warren Andrew.....	A 3.....	North Platte
Dopp, Herbert Roscoe.....	A 3.....	Hickman
Doran, Mabel S.....	M.....	Bradshaw
Dorland, William East.....	I 1.....	Aurora
Dotson, Nina.....	M.....	Shelby
Doubt, William Adison.....	I 1.....	Havelock
Douglas, Lynn Hutchison.....	I 2.....	Lincoln
Douglas, Martha M.....	L 4.....	Oberlin, Kans.
Dovey, Claize J.....	M.....	Plattsmouth
Dowell, Alma Edith.....	Tu.....	Lincoln
Downey, Ella Frances.....	I 1.....	Lincoln
Downing, Albert R. M. D.....	Med. u.....	Merna
Downing, Willard Ross.....	A 1.....	Bee
Doyle, Katherine Clopton.....	T 4.....	Fremont
Doyle, Louis Niven.....	Tu.....	Lincoln
Doyle, Minna Cecily.....	Tu.....	Omaha
Doyle, Thomas John.....	L 1.....	Lincoln
Doyle, Walter Edward.....	I 1.....	Cheyenne, Wyo.
Drake, Carrie Adelaide.....	S, Ju.....	Lincoln
Drake, Edwin David.....	I 4.....	North Platte
Drake, Ellet Bradley.....	S, L 4.....	Beatrice
Drake, Hugh Henderson.....	L 1.....	Humphrey
Drake, Nellie Boyd.....	L 2.....	Broken Bow
Draper, Ona Bell.....	M.....	Adams
Drebert, Eleanor.....	M.....	Lincoln
Driftmier, Anna Rosetta.....	L 1.....	Clarinda, Ia.
Driscoll, Dean.....	Law 1.....	Boise, Idaho
Duboss, Harry.....	M.....	Lincoln
DuCray, Anna E.....	Lu.....	Lincoln
Dudgeon, John Fraley.....	I 3.....	Lincoln
Duff, Daniel Robert.....	A 1.....	Pierce
Duffy, Ann D.....	Lu.....	Lincoln
Dufur, Jessie Fae.....	T 2.....	Lincoln
Dugdale, Allison Harold.....	I 2.....	Lincoln
Duncanson, Henry Bruce.....	G.....	Peru
Duncombe, Frances Evaline.....	S.....	Lincoln
Dunder, Anna.....	S.....	Crete
Dunham, Bessie.....	M.....	Adams
Dunham, Frances Alleen.....	L 1.....	Seward
Dunlavy, Vernon Atwell.....	L 3.....	Bloomington
Dunlay, Ray Charles.....	I 2.....	Orleans
Dunn, Ethel Gray.....	Lu.....	Lincoln

Dutton, Frank Arthur.....	S.	Law 2.....	Lincoln
Dworak, Mayme	S.	T 4.....	Lincoln
Dye, Florence	L	3.....	Lincoln
Dye, Ira Willard.....	I	3.....	Peru
Dye, Milton Elmer.....	Iu.		Peru
Dysart, Besse	M.		Superior
Dysart, Porter William.....	A	3.....	Eagle
Dysart, Thomas Fred.....	A	2	Eagle
Eads, Lucile Blanche.....	T	1.....	Grand Island
Easterday, Ruth Jennette.....	T	4.....	Lincoln
Eaton, Clayton Harold.....	L	4.....	Lincoln
Eaton, Paul Harold.....	L	1.....	Benkelman
Eaton, Roy Wesley.....	T	3.....	Geneva
Eaton, William Dorman.....	I	1.....	Stratton
Eatough, Ann Ruth.....	L	2.....	Lincoln
Eatough, Grace	L	4.....	Lincoln
Eberhard, Ernest Henry.....	As.		Hooper
Eberly, Margaret Elmira.....	T	4.....	David City
Eberly, Walter Kirby	I	1.....	Lincoln
Ebert, Joseph Francis.....	L	3.....	Lincoln
Eddelman, Minnie.....	S.		Beatrice
Eddy, George Turner.....	L	1.....	Fremont
Edgar, Park Lowell.....	I	1.....	Scottsbluff
Edgecombe, Tyler Mengel.....	I	2.....	Geneva
Edgren, Arthur H.....	S.	I 4.....	Lincoln
Edleman, Hazel	S.	Art.....	Lincoln
Edwards, George Wilberlton.....	Iu.		Lincoln
Egan, John Joseph.....	I	1.....	Nebraska City
Egen, Thekla Wilhelmine.....	L	2.....	Omaha
Elchar, Winnifred Angela.....	L	2.....	Ainsworth
Elche, Dee	Art.	I 1.....	Lincoln
Elfer, Albion Brenton.....	A	3.....	Riverton
Eliason, Elmer Emanuel.....	As.		Swedeburg
Eliason, Emil Bernhard.....	As.		Swedeburg
Eldridge, Maud Lee.....	As.		Overton
Eldridge, William Franklin.....	As.		Overton
Ellerbruch, Ernest	As.		Winnetoona
Elley, Harold Walter.....	L	1.....	Madison
Elliott, Alice Esther.....	T	1.....	University Place
Elliott, Clyde Ernest.....	L	4.....	Central City
Elliott, Erl Benton.....	Law	1.....	Hartington
Elliott, John Stewart.....	L	3, Med. 1.....	Beatrice
Elliott, Mary Elizabeth.....	T	4.....	Columbus
Elliott, Ollie Pearl.....	T	1.....	University Place
Ellis, Bertha	G.		Lincoln
Ellis, David Robert.....	A	3.....	Creighton
Ellis, James William.....	P	1.....	Sidney
Ellis, John Samuel.....	S.		Lake Preston, S. D.
Ellis, Lucile	M.		Lexington
Ellis, Milton Irving.....	S.		Coleridge
Ellison, Arthur	A	1.....	University Place
Ellison, Estella May.....	A	3.....	University Place
Ellison, Ralph Harrison.....	I	1.....	Superior
Ellson, Irving Mead.....	M.		Omaha
Elmendorf, Eleanor	S.		Lincoln
Elmore, Clarence Jerome.....	G.		Grand Island
Elseffer, Vincent Bartling.....	I	2.....	Lincoln
Ely, Walter David.....	As.		Stockholm
Emerson, Clarence	G.		Lincoln
Emerson, Rollins Adams.....	G.		Lincoln
Emery, Calvin Andrew.....	Law	1.....	Lincoln
Emery, Lorene	M.		Lincoln
Emery, Lou Alice.....	M.		Seneca, Kans.

Emigh, Lawrence Edwin.....	A 3.....	Dawson
Emley, Alban Maurice.....	L 1, M.....	Wisner
Engel, Robert William.....	As.....	Fremont
Englehardt, Alfred Henry.....	As.....	Saronville
English, Helen B.....	M.....	Lincoln
English, Lella G.....	M.....	Lincoln
Ennis, Estelle May.....	Art.....	Lincoln
Enslow, Margaret.....	M.....	College View
Erford, Ethel Pearl.....	G.....	Lincoln
Erickson, Charles.....	I 1.....	Axtell
Erickson, Clara Almada.....	T 3.....	Oakland
Erickson, David Leonard.....	I 2.....	Lincoln
Erickson, John Erick.....	A 1.....	Funk
Erickson, Herbert LeRoy.....	As.....	Kennedy
Erickson, Leonard William.....	I 2.....	Lincoln
Erickson, Selma.....	M.....	Newman Grove
Ericson, Melvin.....	I 1.....	Stromsburg
Ernst, Flora Grace.....	G.....	Omaha
Ernst, Paul Luther.....	I 2.....	Omaha
Erskine, Earl Bradley.....	I 1.....	Tilden
Erskine, Samuel Avery.....	L 1.....	Norfolk
Erwin, Laurel Marie.....	L 1.....	Omaha
Esterbrook, Arthur Harrison.....	As.....	Arcadia
Evans, Camille Gans.....	L 4.....	David City
Evans, Catherine.....	M.....	Lincoln
Evans, Clark Bentley.....	Law 1.....	Wisner
Evans, Fred Williams.....	L 1.....	Kenesaw
Evans, Paul Whiting.....	T 4.....	Lincoln
Evans, Sidney Griffith.....	L 4.....	Hastings
Everson, Elizabeth.....	Art, T 1.....	Alma
Ewart, Flora Edna.....	Iu.....	Wahoo
Ewart, Inez.....	S.....	Lincoln
Ewart, Irving Dodder.....	I 1.....	Lincoln
Ewing, Ada.....	S.....	Lincoln
Ewing, Halle Laura.....	G.....	Lincoln
Ewing, Harry Walter.....	Law 2.....	Lincoln
Fader, Bessie Belle.....	S.....	Lincoln
Fahlgren, Goldie.....	M.....	Smith Center, Kans.
Fahs, Mary Worley.....	L 1.....	Omaha
Fall, Hazel Helen.....	L 1.....	Beatrice
Fall, Vera Adrienne.....	T 4.....	Lincoln
Farley, Fayse Florence.....	T 2.....	Lincoln
Farley, Fletcher Lawrence.....	L 1.....	Bancroft
Farley, William John.....	I 1.....	Aurora
Farnham, Ruth.....	Art.....	Lincoln
Farrell, Laurence.....	S.....	Lincoln
Farrow, Alonzo Fldelas.....	L 2.....	Lincoln
Faulkner, Cora.....	M.....	Lincoln
Faus, Mabel Jeannette.....	T 3.....	Lincoln
Faus, Ruby Cordelia.....	T 4.....	Lincoln
Fausch, Henry Robert.....	A 2.....	Guide Rock
Fawthrop, Grace Ethel.....	L 1.....	Lincoln
Feather, Archie Henry.....	As.....	Havelock
Fee, Mary Lavina.....	S, Lu.....	Lincoln
Feemster, Howard Calvin.....	G.....	York
Fehlman, Clinton Earl.....	L 3.....	Beemer
Fehner, Alma.....	M.....	Seward
Feldler, Anna Agnes.....	S.....	David City
Fenton, Edana L.....	M.....	David City
Ferguson, Janet.....	S.....	Beaver Crossing
Ferguson, John Adams.....	Law 3.....	Hastings
Ferguson, Richard D.....	I 1.....	Lincoln
Ferguson, Rilla Troyer.....	Iu.....	Lincoln

Ferguson, Robert Likes.....	L 1.....	Lincoln
Ferguson, Thomasina Vida.....	L 2.....	Hastings
Ferris, Mamie Belle.....	T 4.....	Central City
Fiala, Anton Bedrich.....	A 2.....	Howells
Fick, Oliver Augustus.....	M, I 1.....	Oxford
Field, Edith Caroline.....	S.....	Lincoln
Field, Ethel Content.....	G.....	Lincoln
Field, Georgia Baldwin.....	G.....	Lincoln
Field, Kate.....	M, I 2.....	Lincoln
Fifer, Flora.....	G.....	University Place
Fike, Charles.....	M.....	Oxford
Filles, Ellery Knapton.....	G.....	University Place
Fillenworth, Hallie Regina.....	M, Lu.....	Omaha
Fillipi, Theodore.....	L 2.....	Clarkson
Finch, Ira F.....	As.....	Bancroft
Finigan, Mary Agnes.....	S.....	Havelock
Fink, Vera Cushman.....	T 4.....	Omaha
Finke, Walter.....	M.....	Lincoln
Fisher, Carl Leroy.....	L 1.....	Beatrice
Fisher, Edith Jeanette.....	L 3.....	Omaha
Fiske, Helen Marie.....	Art, Lu.....	Lincoln
Fitch, Arthur DeWitt.....	A 2.....	Atlanta
FitzGerald, Elsie.....	L 1.....	Lincoln
FitzGerald, Helen.....	Lu.....	Lincoln
Fitzgerald, Zora Elizabeth.....	M, Lu.....	Omaha
Fitzsimmons, George Agabus.....	Law 3.....	Lincoln
Flack, George C.....	Lu.....	Omaha
Flake, William Edward.....	T 4.....	Bellwood
Flansburg, Allen Glen.....	Au.....	Lincoln
Flansburg, Claude Wilkinson.....	L 2.....	Lincoln
Fleischauer, Charles William.....	As.....	Exeter
Fleming, Harry Cowles.....	I 4.....	Hastings
Fleming, Minnie Agnes.....	Lu.....	Aurora
Fleming, William.....	L 2.....	Lincoln
Fletcher, Graham.....	Law 3.....	Depass, Wyo.
Fling, Effie.....	M.....	Lincoln
Flint, Lena Bartlet.....	Lu.....	Bartley
Flock, Joie Edith.....	L 1.....	Blair
Flodman, Hartwig Emanuel.....	As.....	Stromsburg
Flower, Lorenzo Frederick.....	I 3.....	Minatare
Flynn, Jessamine.....	M.....	Douglas
Fodrea, Genevieve.....	M.....	Lincoln
Fogelson, Dora.....	M.....	Lincoln
Fogelson, Tillie.....	M.....	Lincoln
Follette, Faye.....	M, Lu.....	Lincoln
Follmer, Katherine.....	T 3.....	Oak
Folsom, Donald.....	L 1.....	Beatrice
Foltz, Harry Lee.....	G.....	Lima, Ohio
Forbes, William Pense.....	I 1.....	Wayne
Forburger, John Casper.....	A 2.....	Lincoln
Forburger, Lena Marie.....	A 2.....	Lincoln
Ford, Cyrus Grant Emerald.....	A 2.....	Oakland
Ford, Herbert.....	L 2.....	Humboldt
Ford, Ralph Lorenzo.....	I 1.....	Lexington
Ford, Richard Judson.....	A 1.....	Oakland
Fordyce, Claude Powell.....	Med. 3.....	Lincoln
Fordyce, Glen Gray.....	L 3.....	Lincoln
von Forell, Ira George.....	L 4, Med. 2.....	Chester
Forke, Edna.....	M.....	Raymond
Forman, William Olivet.....	I 2.....	Lincoln
Formanek, Edward Charles.....	As.....	Crete
Fossler, Lois Beatrice.....	L 3.....	Lincoln
Foster, Bertha E.....	M.....	Lincoln
Foster, George Nimmons.....	Law 1.....	Sterling

Foster, Hazel Lois.....	T 1.....	Lincoln
Foster, Kate	G.	Lincoln
Foster, Mary Ceneste.....	S, Lu.....	Lincoln
Foster, Richard Joseph.....	I 2.....	Lincoln
Foster, Thomas Andrew.....	I 1.....	Lincoln
Fouts, Don Carl.....	Law 3.....	Hastings
Fowler, Dennis Cleveland.....	A 3.....	North Platte
Frackelton, James Robert.....	Iu.	Lincoln
Fraker, Philip Wagoner.....	I 2.....	Lincoln
Francis, Clark Edward.....	I 1.....	Lincoln
Francis, Frances Edith.....	L 1.....	Cheyenne, Wyo.
Francis, John Arthur.....	I 2.....	Lincoln
Francis, Raymond J.....	A 2.....	Gibbon
Frank, Lorenz William.....	Med. 2.....	Arapahoe
Frank, Owen Ashcroft.....	I 1.....	Grand Island
Frankforter, Clarence Jackson.....	G.	Lincoln
Franklin, Irma May.....	T 3.....	Aurora
Frederick, Karl Phillip.....	Art, L 2.....	Sutton
Frederickson, Oscar Fred.....	A 2.....	Lincoln
Freeman, George Waite.....	As.	Irrington
Freiday, Guss Floyd.....	As.	Sumner
Freiden, Benjamin W.....	Lu.	Osmond
Freitag, Albert	I 1.....	Grand Island
Freitag, Heinz Joseph.....	Law 2.....	South Omaha
French, Halle Clarence.....	A 3.....	Arlington
French, Inez A.....	M.	Lincoln
French, M. Francis.....	M.	Lincoln
Fricke, Edwin Adolph.....	P 1.....	Plattsmouth
Frickey, Lillian Edna.....	Lu.	York
Friend, Dennis William.....	I 1.....	Miller
Friend, Gertrude Pauline.....	Art, Lu.....	Lincoln
Friend, Victor Emmanuel.....	I 2.....	Lincoln
Frisbie, Lucius Ichabod.....	S.	Red Cloud
Fritts, Mabel A.....	.....	Lincoln
Frost, Everett Starr.....	I 2.....	University Place
Frost, Frank R.....	M.	University Place
Frost, Roland Merideth.....	Art, L 1.....	University Place
Froyd, Erwin Algot.....	L 4.....	Wakefield
Frum, Mary Alice.....	T 3.....	Lincoln
Frum, Sidney Thomas.....	L 1.....	Homer
Frush, Effie	M.	Wahoo
Fry, Annie Clarissa.....	T 2.....	Omaha
Fry, Bessie Matilda.....	T 4.....	Omaha
Fry, Grace	Lu.	Lincoln
Fuchs, Gustave Otto.....	T 1.....	Stanton
Fullaway, Vanstone Samuel.....	I 1.....	Omaha
Fuller, Clark Halsey.....	I 1.....	Sidney
Fuller, Edith L.....	M.	Lincoln
Fuller, Ernest Laurel.....	As.	Morrowville, Kans.
Fullerton, Bruce	S, Law 3, Lu.....	Lincoln
Fulmer, Clark Adelbert.....	G.	University Place
Fulton, Clifford Robert.....	I 4.....	Lincoln
Fulton, Edna Inez.....	S.	Lincoln
Funke, Minnie Marguerita.....	T 2.....	Blue Hill
Gable, Charles Hugh.....	I 3.....	Lincoln
Gaeckler, Maude Hazel.....	L 1.....	Lincoln
Gage, Vernon Lasch.....	A 1.....	Beatrice
Gallentine, Evah May.....	L 1.....	Kearney
Galloway, George Davis.....	I 2.....	Holdrege
Gamble, John William.....	T 1.....	Plattsmouth
Gannon, Eugene Gaylord.....	As.	Gaylord
Gannon, Grace Marie.....	L 1.....	Missouri Valley, Ia.
Gant, Minnie	S.	Lincoln
Gantt, Alleen	T 3.....	Lincoln

Gantt, Edith	T 2.....	Lincoln
Gantt, Robert Anderson.....	I 4.....	Lincoln
Garber, Ethel Mae	T 1.....	Beatrice
Gardner Charles Henry.....	I 1.....	University Place
Gardner, Margaret E.....	S.....	Lincoln
Garland, Walter Rolins.....	I 2, Med. 1.....	Lincoln
Garmire, Carrie	M.....	Lincoln
Garrett, Ralph Wallace.....	L 1.....	Madison
Garrison, Walter Omer.....	I 1.....	Lincoln
Garoutte, Gladys L.....	M.....	Lincoln
Garver, Fred Benjamin.....	L 4.....	Fairfield
Garver, Raymond Daniel.....	I 2.....	Fairfield
Gash, Albert Lafayette.....	I 1.....	Auburn
Gates, Frederick Trumble.....	A 3.....	Fort Crook
Gates, George William.....	As.....	David City
Gathman, Ida Margueritte.....	S.....	Treynor, Ia.
Gaylord, Mignon B.....	M.....	Lincoln
Gehring, Henry	Lu.....	Surprise
Gehrke, Maggie May.....	T 3.....	Lincoln
Gelger, Henry Sylvester.....	As.....	Beaver Crossing
George, Clarence Winfield.....	L 1.....	Cumro
George, Harry Chester.....	As.....	Thedford
George, Leon Oric.....	A 2.....	Normal
George, Ralph Lowell.....	S, I 4.....	Cumro
Gerspacher, Robert Earl.....	I 1.....	Grand Island
Gibson, Effie Emily.....	L 1.....	Lincoln
Gibson, James Patterson, Jr.....	I 1.....	Dexter, Ia.
Gibson, Katharine Emily.....	G.....	Weeping Water
Gibson, Laurence Milton.....	A 2.....	Omaha
Gieseke, Leonard Frederick.....	G.....	Lincoln
Gieseke, Marce Nora.....	S.....	Lincoln
Giffen, Walter Cheston.....	Law 3.....	Fairmont
Gilbert, Gustavus Guy.....	I 4.....	Johnson
Gildersleeve, Frank	As.....	Wayne
Gillespie, Herbert Langworthy.....	A 2.....	Seward
Gilmore, Charles	G.....	Lincoln
Gilmore, Josephine R.....	M.....	Lincoln
Gilmore, Melvin Randolph.....	G.....	Bethany
Gilmore, Oden Sebastian.....	Law 1.....	York
Giltner, Guy Golden.....	A 1.....	Beulah, Wyo.
Gingrich, Fred Jacob.....	As.....	Aurora
*Gingrich, Peter C.....	A 1.....	
Gison, Ambrosio	S.....	Arevalo, Iliolo, P. I.
Gittings, Vernon Wallace.....	L 4.....	Superior
Given, Blanche Deborah.....	S, T 3.....	Lincoln
Glade, George Herman.....	I 1.....	Joplin, Mo.
Given, Elsa	M.....	Lincoln
Glasgow, Helen Whitney.....	S.....	Lincoln
Glass, Jesse June.....	L 4, S.....	Lincoln
Glenn, Harry Elmer.....	As.....	Alda
Goddard, Grosvenor	I 1.....	Woodbine, Ia.
Goehner, William Oscar.....	A 1.....	Seward
von Goetz, Marie.....	T 3.....	North Platte
Goeury, John Franklin.....	As.....	Geneva
Goffe, Jay Emory.....	As.....	University Place
Gold, Nathan	Tu.....	Lincoln
Good, Anabel	Lu.....	Wahoo
Gooden, Alta May.....	I 3.....	Lincoln
Gooden, Hazel	I 1.....	Lincoln
Gooden, Minnie May.....	Lu, M.....	Hubbell
Goodnough, John Harland.....	I 1.....	Chadron
Goodwin, Roland Henry.....	As.....	Loup City
Goosen, Andrew	As.....	DeWitt

*Deceased.

Gordon, Tobie Agnes.....	G.	Lincoln
Gore, Daisy Melvina.....	S.	Lincoln
Gosnell, Charles Ernest.....	A 1.....	Republican City
Goss, Loy	T 1.....	Lincoln
Goss, Paul	T 4, G.	Lincoln
Gould, Elizabeth Reese.....	Art. L 1.....	Omaha
Gould, Frances Pauline.....	Lu.	Omaha
Gould, Harry Garvin.....	A 2.....	Republican City
Gould, Villette Warner.....	Lu.	Lincoln
Gowing, Mabelle Frances.....	L 1.....	Lincoln
Graham, Ada V.....	S.	Lincoln
Graham, Clyde Thomas.....	I 2.....	Avoca
Graham, Ethel V.....	M.	University Place
Graham, Laurene	M.	Lincoln
Graham, Malcolm Edgar.....	L 4.....	Omaha
Graham, Marjorie	M.	Lincoln
Graham, Mary Catherine.....	S. T 4.....	Lincoln
Graham, Ralph William.....	As.	Avoca
Graham, Robert Arnold.....	I 1.....	Crete
Graham, Sappho Cecella.....	L 2.....	Creston, Ia.
Graham, D. Winnifred.....	Lu.	Lincoln
Graham, Woodson	A 3.....	Gibbon
Gramlich, Howard John.....	I 1.....	South Omaha
Gravelle, Etta Mae	Art.	Fairbury
Graves, Ernest Howard.....	Iu.	Watertown, N. Y.
Graves, Harriet	Lu.	Lincoln
Graves, Jessie	M.	Lincoln
Graves, Thomas Albert.....	A 1.....	Normal
Gray, Helen	T 4.....	Fremont
Green, Barton Lamb.....	Law 2.....	Lincoln
Green, Bertha Louise.....	Lu.	Lincoln
Green, Edna De Ette.....	Iu.	Lincoln
Green, Grady	M.	Lincoln
Green, Gratia	Lu.	Lincoln
Green, Lloyd	M.	Lincoln
Green, Lucy May	L 2.....	Blue Springs
Green, Richard Oscar.....	I 4.....	Lincoln
Green, Myrtle	Tu.	Tilden
Green, Vena	M.	Wakefield
Green, Walter Collier.....	Law 1.....	Tilden
Greenamyre, Harold Hubert.....	S. I 3.....	Lincoln
Greene, Jessie Geneva.....	T 2.....	Lincoln
Greenslit, Eva	M.	Surprise
Greenslit, Roy Fuller.....	L 4.....	Surprise
Greenwood, James Charles.....	T 1.....	Utica
Greer, Howard	Art.	University Place
Greer, Vancil Kelso	Law 2.....	Lincoln
Gregory, Frances	M.	St. Joseph, Mo.
Gregory, Louis Archibald.....	Law 3.....	Lincoln
Grice, Benjamin Butler.....	As.	Garrison
Griesel, Chas. Adam.....	A 1.....	University Place
Griffin, Bessie	M.	Lincoln
Griffin, Charles Powell.....	Law 1.....	Superior
Griffin, Erma Elwilda.....	L 4.....	Lincoln
Griffin, LeRoy Francis.....	I 1.....	Atkinson
Griffis, Earl Cornelius.....	A 1.....	Lincoln
Griffith, Paul	M.	Lincoln
Griffiths, Elizabeth	Lu.	Lincoln
Grimes, Bertha Edna	T 1, M.	Sterling
Grimm, Edith Anit.....	L 4.....	Lincoln
Grimm, Florence Ma.....	T 1.....	Lincoln
Grimmett, Mary Belle.....	I 4.....	Tecumseh
Griswold, Phelps Elijah.....	I 2.....	Fremont

DIRECTORY OF STUDENTS

513

Griswold, Vera	M.	Gordon
Griswold, Williard Russell	S.	Lincoln
Grone, Edwin Arthur	G.	Lincoln
Grosbach, Homer Edward	I 3.	Wauneta
Gross, Emil	A 1.	Verdigre
Gross, Robert Arthur	I 1.	Madison
Grubb, George Albert	L 3.	Pawnee City
Grummann, Herbert Richard	S.	Lincoln
Guggenmos, Rose	S. L 2.	St. Paul
Guidinger, Clara Belle	L 4.	Schuyler
Guidinger, Edward Franklin	I 4.	Schuyler
Gunnarson, Max Leonard	I 2.	Aurora
Gunnels, Charles Ellsworth	I 2.	Crete
Gurney, Ruth	A 1.	Red Cloud
Gushee, Wallace Wadsworth	G.	Friend
Gustafson, Arthur Herman	As.	Swedeberg
Gustin, Donna	M.	Lincoln
Gutberlet, Albert Harrison	T 2.	Hardy
Guthrie, Edwin Ray	S. G.	Lincoln
Guthrie, George LeRoy	I 2.	Havelock
Guthrie, Louise	L 2.	Lincoln
Guthrie, Margaret	T 2.	Omaha
Guthrie, Richard Terrell	I 1.	Lincoln
Guthrie, Vernon Hamilton	A 2.	Havelock
Gylling, Grace	M.	Osceola
Haberle, John Milton	Law 1.	Lincoln
Hadley, Marcia Jean	S.	Lincoln
Hadlock, Walter Lawrence	L 4.	Florence
Haggard, Eddith Lavina	S.	York
Haggard, Ralph Archie	I 1.	St. Paul
Haggarty, Nellie Blanche	S.	Lincoln
Hahn, Beryl	M.	Lincoln
Hahn, Henry H.	G.	Blair
Hahne, Ernest Herman	L 2.	Lincoln
Hakel, Bedrich A.	Lu.	Weston
Hale, Gifford Nathan	Lu.	Lincoln
Hall, Albert Dare	L 2.	Nehawka
Hall, Ezra Bern	As.	Bellwood
Hall, Henry Carl	L 4.	University Place
Hall, Lee Buren	As.	Bellwood
Hall, Minta	Lu.	Lincoln
Hall, Phil Louis	A 3.	Lincoln
Hall, Robert Gordon	Law 1.	Bassett
Halldorson, Paul John	L 2.	Lincoln
Halldorson, Ralph Emerson	L 1.	Lincoln
Halldorson, Sophia	Art. In.	Lincoln
Haller, Ruth	L 1.	Omaha
Hallett, William Eugene Scott	I 3.	Lincoln
Halligan, Paul Rolfe	L 3.	North Platte
Halsted, Lloyd Dickson	I 1.	Teemseh
Ham, John Paul	L 1.	Benkelman
Hamel, Albin Gust	I 4.	Omaha
Hamer, Arthur Glover	Au.	Lincoln
Hamilton, Inez Ella	S.	Lincoln
Hamilton, Jean Delphine	L 2.	Cedar Rapids
Hamilton, Margaret	Tu.	Omaha
Hamilton, William Earl	I 2.	Omaha
Hammitt, Walter Frank	I 1.	Garwin, Ia.
Hammond, Ada Amy	S.	Lincoln
Hammond, Charles Hiram	T 4.	University Place
Hammond, Glen Olin	I 3.	Pawnee City
Hammond, Nona Elma	A 1.	Marquette
Hammond, Olive Southworth	L 1.	Omaha

Haney, Ada Colla.....	S.	Gretna
Hanger, William Lunsford.....	A 2.....	Waterloo
Hanley, Fred	Lu.	South Omaha
Hanley, Kathleen.....	M.	Mankato, Kans.
Hanlon, Emmaline Mary.....	S.	Inland
Hann, George Washington.....	I 4.....	Lincoln
Hanna, Edith Evangeline.....	L 2.....	Lincoln
Hanna, Ella Clare.....	M.	Superior
Hanna, Florence.....	Lu.	Wood Lake
Hanna, Hazel Dell.....	L 3.....	Holdrege
Hanna, Mary Franklin.....	Lu.	Wood Lake
Hanner, Philip Earl.....	S.	David City
Hansen, Carl August.....	As.	Archer
Hansen, Dora S.....	M.	Lincoln
Hansen, Earl Millard.....	As.	Ord
Hansen, Ella.....	M.	Lincoln
Hansen, Theo Marie.....	I 2.....	Fairbury
Hansen, Walter Frank.....	As.	Hampton
Hansen, Willie.....	As.	Chalco
Hansmire, Henry Harrison.....	As.	Reynolds
Hanson, Alfred Lief.....	As.	Fremont
Hanson, Florence.....	M, Art, L 1.....	College View
Hanson, Linn Ford.....	A 1.....	Lincoln
Harden, Clifford James.....	I 2.....	Lincoln
Hardiman, James Edward.....	T 3.....	Lincoln
Hardin, Charlie Marks.....	I 4.....	Alma
Hardin, Earl Nelson.....	A 2.....	Cambridge
Harding, Frederick Chapin.....	I 3.....	Oakland
Hardy, Estella Fern.....	T 2.....	Lincoln
Hare, Arthur Merlin.....	L 2.....	Albion
Harford, Florence.....	M.	Ashland
Hargett, Anderson J.....	G.	Augusta, Ky.
Harman, Dewey Jehu.....	L 1.....	Omega, Okla.
Harmer, Genevieve.....	M.	Lincoln
Harmon, Lester Oliver.....	As.	Nebraska City
Harms, Charles Wesley Warren.....	I 1.....	Berlin
Harms, Fred William.....	As.	Fremont
Harnly, Earl Russell.....	I 2.....	Lincoln
Harnly, Grace.....	M.	Lincoln
Harnsberger, Augusta Ernestine.....	L 4.....	Ashland
Harnsberger, Emma Frances.....	Art, L 1.....	Ashland
Harpam, Julius Vivyan.....	Lu.	Lincoln
Harrington, Verne.....	I 2.....	Harvard
Harris, Alice A.....	M.	Lincoln
Harris, Barton Park.....	I 1.....	Lincoln
Harris, Celia Ellen.....	L 4.....	Lincoln
Harris, Laura.....	L 1.....	Lincoln
Harris, Lucile June.....	M, L 1.....	Stella
Harris, Wade Kenton.....	S.	Orafino
Harris, Walter John.....	A 1.....	Havelock
Harrison, Edna.....	M.	Waterloo, Ia.
Harrison, James Allen.....	I 1.....	Lincoln
Harrison, May.....	M.	Waterloo, Ia.
Harrison, Ray I d.....	I 4.....	Grand Island
Harrison, Samuel Thomas.....	A 2.....	Havelock
Harry, Phoebe.....	S.	Crete
Hart, Marlon.....	Art, L 4.....	Lincoln
Harte, Louis.....	I 3.....	Omaha
Hartley, Carl.....	G.	Lincoln
Hartley, Payne.....	M, L 3.....	Lincoln
Hartwig, Calvin Homer.....	Med. u.....	Sutton
Hartzell, James Milford.....	I 1.....	Lincoln
Harvey, Albert Lee.....	G.	Pierce

Harvey, David Richard.....	I 1.....	North Bend
Harvey, Herbert Lorenzo.....	A 1.....	Gandy
Harvey, James Bascom.....	I 4.....	Wilber
Harvey, John Frederick.....	S.....	Plymouth
Hascall, Vincent Charles.....	L 2.....	Lincoln
Hasemeler, Lura.....	M.....	Lincoln
Hassler, Otis.....	M.....	Pawnee City
Hatfield, Chester Thomas.....	I 2.....	Fairbury
Hathaway, Hazel Margaret.....	T 1.....	Holdrege
Hathaway, Henry Cook.....	L 2.....	Lincoln
Haumont, Jules Luther.....	A 3.....	Elton
Haven, Julia E.....	Tu.....	Omaha
Hawks, Frank Carter.....	I 4.....	Albion
Hawley, John William.....	A 2.....	Brock
Hawley, Robert D.....	L 1.....	Nebraska City
Hawthorne, Raymond Lee.....	S.....	Lincoln
Hayden, Leila.....	M.....	Lincoln
Hayes, Daniel Webster.....	Tu.....	Alliance
Haymart, Edmund Oren.....	As.....	Giltner
Haynes, Charles.....	M.....	Clifton, Tenn.
Haynie, Harry Booth.....	L 1.....	Lincoln
Hays, Herbert Michael.....	L 1.....	Stella
Haysenyager, Andrew George.....	As.....	Tecumseh
Hayward, Chester Joseph.....	I 1.....	Broken Bow
Hazelwood, Anita.....	Lu.....	Lincoln
Heacock, Albert Arthur.....	Law 3.....	Springfield
Heacock, Ruth Florence.....	L 2.....	Falls City
Heath, Jacob Edson.....	S, Lu.....	Lincoln
Heath, Robert Graham.....	Lu.....	Agate
Heaton, Wm. Daniel.....	I 2.....	Wahoo
Hebbard, Ralph Hurd.....	L 2.....	Lincoln
Hebbell, Lydia.....	M.....	Callaway
Hecht, Jessie.....	M.....	Plainview
Heffelbower, George Samuel.....	L 3.....	Red Cloud
Heggeland, Leonard Rhoades.....	I 3.....	Lincoln
Heikes, George Earl.....	As.....	Dakota City
Heim, Emerson Walter.....	A 3.....	Dawson
Helmer, Eleanor Octavia.....	T 2.....	Gordon
Helfenstein, Anna.....	M.....	Weeping Water
Hellner, Anna Maria.....	T 2.....	Oxford
Hemmingsen, Peter Carl.....	As.....	Omaha
Hemler, Arthur Frisbee.....	L 2.....	Beatrice
Hempel, Loreine Anna.....	T 4.....	Lincoln
Hempel, Teresa Edith.....	T 3.....	Lincoln
Hemphill, Adalene.....	L 1.....	Weeping Water
Henderson, Earl Young.....	I 2.....	Omaha
Henderson, Lee Huntley.....	S.....	South Auburn
Henderson, Sadie C.....	Lu.....	Wahoo
Henderson, William McNare.....	As.....	Rising City
Hendricks, Edward Roy.....	T 1.....	Wahoo
Hendricks, Ina Hattie.....	T 2.....	Wahoo
Hendry, Horace Herman.....	I 3.....	Lincoln
Hendry, Walter James.....	A 1.....	Lincoln
Hendryx, M. Elizabeth.....	Lu.....	Omaha
Hennies, Marie Dorothea.....	A 3.....	Adams
Henninger, Ruth Antoinette.....	L 1.....	Pawnee City
Henry, Lena.....	Lu.....	Lincoln
Hepperlen, John Albert.....	I 3.....	Beatrice
Herbert, Clifford.....	M.....	Plainview
Herbert, Mary Otis.....	L 3.....	Omaha
Herbst, Fred.....	A 1, S.....	Leigh
Herman, Irma Louise.....	M, L 1.....	Lincoln
Hermansen, Clara.....	L 4.....	Kearney

Herminghaus, Ernst Herman	A 3	Lincoln
Herrold, Carl Edward	As.	Seward
Hervey, Ola Bell	L 2	Omaha
Herzinger, Anton	A 1	Beemer
Hess, Carl Valentine	L 1	Thayer, Kans.
Hetzl, George David, Jr.	L 3	Grand Island
Hewitt, Emma Edna	T 3	Friend
Hewitt, George Linus	Med. u.	Friend
Hewitt, James Kelly	I 1	Alliance
Hewitt, Lucy Rockwood	S. L 4	Lincoln
Heyde, Anna Louise	M, L 1	Grand Island
Hiatt, Mabel Brown	S, M, L 3	Lincoln
Hibbard, Sherman Blaine	I 3, Med. 1	Lincoln
Hickey, John William	As.	O'Neill
Hicks, Grace	M.	Lincoln
Higgins, Charles Calvin	A 2	Beatrice
Higgins, Clyde Charles	A 1	Lincoln
Higgins, Ralph Philip	I 2, Med. 1	Blue Hill
Higgins, Ray Morton	L 1	Hartington
High, Ralph Wenzel	I 2	Bloomfield
Hildreth, Beulah Irene	T 4	Lyons
Hildreth, Raymond Clair	I 1	Lyons
Hill, Charles Elmer	Med. u.	Shreveport, La.
Hill, Charles William	A 1	Jthaca
Hill, Clair Lecount	Med. u.	Syracuse
Hill, Clara	M.	Lincoln
Hill, Cora Belle	S.	Shubert
Hill, Florence	M.	Lincoln
Hill, Nettie May	M, L 1	Hebron
Hill, Robert Roy	Law 1	Geneva
Hill, Sidney Ray	As.	Lexington
Hillis, Richard Gilbert	A 2	Aurora
Hills, Elmer Walker	L 4, Law 1	Sidney, Ia.
Hiltner, Arthur Herbert	I 1	Lincoln
Hilton, David Clark	G.	Lincoln
Hilton, Ethel Jane	T 1	Blue Hill
Hilton, John William	S.	Bethany
Hindera, Francis James	I 2	Steinauer
Hinman, Harry Winfield	I 4	Lincoln
Hinterlong, Anna Laura	L 4	Minden
Hire, Elsie D.	S.	South Omaha
Hitte, Eleanor Brooke	L 1	Bethany
Hixon, Elmer Harrison	I 2	Valparaiso
Hladik, Joseph Frank	I 3	Plainview
Hoagland, Susan Quick	Lu.	Lincoln
Hoch, Gilbert Earl	As.	Dakota City
Hodskins, Walter Kidder	S, Law u.	O'Neill
Hofmann, Fred Wenzl	I 3	Omaha
Hofmeyer, Franz	A 3	Republican City
Hofmeyer, Herman	A 2	Republican City
Hoge, John Cameron	Art. I 4	Lincoln
Hogue, Mabel Clara	L 1	Lincoln
Holaday, Lillie Maurine	G.	Lincoln
Holcomb, Amy Marie	T 1	Lincoln
Holcomb, Margaret	M.	Broken Bow
Holcombe, Besse LaVerne	T 4	Lincoln
Holdgraf, Paul George	As.	Aurora
Hole, Katherine	T 3	Fairbury
Holland, Adaline Mildred	L 3	Falls City
Holland, Yale Chenoweth	Law 1	Seward
Holling, John	I 1	Wood River
Hollister, Lela Pilcher	G.	Lincoln
Holm, Marie B.	M.	Lincoln

Holman, Grace M.....	L 1.....	Tobias
Holmes, Gertrude Dea.....	Lu.....	Lincoln
Holmes, Helma Lou.....	T 4.....	Tecumseh
Holmes, Rachel Edna.....	T 3.....	Tecumseh
Holmes, Ruth Vashita.....	Lu.....	Lincoln
Holmes, Searle Francis.....	I 1.....	Omaha
Holmstrom, Sylvia Alfrida.....	S.....	Havelock
Holthus, Herman.....	As.....	Smithfield
Holts, Eleanor.....	M.....	Lincoln
Hood, Myrtle May.....	L 2.....	Lincoln
Hood, Samuel Lloyd.....	A 2.....	Dore, N. D.
Hooker, Amy.....	M.....	Adams
Hooper, Clayburn Elmo.....	I 1.....	Lincoln
Hooper, Fanchon Marie Colleen.....	T 4.....	Lincoln
Hooten, Mary Bell.....	Tu, S.....	Lincoln
Hoover, Helen Elizabeth.....	Lu.....	Lincoln
Hopkins, Albert Lynn.....	I 1.....	Villisca, Ia.
Hoppler, Henry John.....	M.....	Plymouth
Hopt, Erwin.....	I 4.....	Lincoln
Horacek, Ralph James.....	As.....	Belgrade
Horn, Lewis M.....	M.....	Lincoln
Hornberger, Evans Zacharius.....	Iu, M.....	Lincoln
Horning, Ticia Blanche.....	G.....	Plattsmouth
Hornung, Frank Walter.....	I 2.....	College View
Horsb, John William.....	A 2.....	Lincoln
Horton, Marion Maude.....	L 4.....	Lincoln
Hosford, Caroline Austin.....	A 1.....	Crete
Hossack, Quinby John.....	I 4.....	Falls City
Hottovy, Charles Louis.....	As.....	Dwight
Honck, Lula.....	Tu.....	Lincoln
Hough, Harry George.....	I 1.....	Lincoln
Houska, Marie Josephine.....	L 1.....	Omaha
Houston, Frank Wilkins.....	A 2, S.....	Tekamah
Howard, Berne Martin.....	I 4.....	Fremont
Howard, Bertha Mabel.....	S, G.....	Lincoln
Howard, Claude Webster.....	A 1.....	Lincoln
Howard, Clyde Weber.....	A 1.....	Lincoln
Howard, Elizabeth Cecil.....	S.....	Lincoln
Howard, Frank Elmer.....	G.....	Lincoln
Howard Robert Francis.....	G.....	Lincoln
Howe, Ethel.....	S.....	Wymore
Howell, Max Maddox.....	Law 2.....	Centerville, Ia.
Howell, Maude.....	M.....	Lincoln
Howell, Ruby.....	M.....	Lincoln
Howie, Ethel Lee.....	G.....	Lincoln
Hoxie, Helen.....	M.....	Ogallala
Hrbkova, Sarka.....	Lu.....	Lincoln
Hrubesky, Lucile.....	T 3.....	Geneva
Hruby, Charles Stephen.....	As.....	Touhy
Hubbell, Cliff Jay.....	I 1.....	Deweese
Hubenbecker, Henry.....	Law 3.....	McCool Junction
Huberle, Elsa Pauline.....	T 1.....	Nebraska City
Hudson, Myrtle Eleanor.....	L 4.....	Lincoln
Huenefeld, Edwin Herman.....	As.....	Aurora
Huenefeld, Frederick William.....	As.....	Aurora
Huey, George William.....	I 3.....	Pandolph
Huff, Belle Louvina.....	S.....	Fullerton
Huffman, Stanley McCook.....	L 3.....	Neligh
Hughes, Lulu.....	S, Lu.....	Lincoln
Hughes, Winifred.....	S, Lu.....	Ottumwa, Ia.
Humlclik, John Ludvigous.....	As.....	Linwood
Hummel, Archie William.....	I 3.....	Humboldt
Hummel, George Henry.....	I 4.....	Humboldt

Hummel, Lois Christian.....	L 4, Law 1.....	Humboldt
Hummel, Lulu	M.	Humboldt
Humpe, Alice A.....	I 2.....	Lincoln
Humpe, Helen	S.	Lincoln
Hungate, James Buchanan, M. D.....	Med. u.....	Weeping Water
Hungerford, Kate	Tu.	Omaha
Hunley, Charles Marion.....	I 1.....	Pawnee
Hunnicutt, Charles Arlington.....	A 2.....	Loomis
Hunt, Clara Louise.....	L 3.....	Burlington, Ia.
Hunt, Earle Radmore.....	S, M, Lu.....	Lincoln
Hunt, Gertrude Sybil.....	L 2.....	Harlan, Ia.
Hunt, Goldie Murray.....	S.	Lincoln
Hunter, Esther Amelia.....	L 3.....	Fremont
Hunter, Paul Crary.....	A 3.....	Raymond
Hunter, Richard Charles.....	L 4, Law 1.....	Andrews
Huntington, Raymond Arthur.....	I 2.....	Fremont
Hurt, Charles Oliver.....	A 2.....	Wilsonville
Husband, Elizabeth Hart.....	M, Lu.....	Woodbine, Ia.
Huse, Harry Goodhue.....	L 2.....	Fullerton
Huse, Josephine Celeste.....	T 3.....	Belgrade
Huston, Claude Brownell.....	I 3.....	Geneva
Hutchins, Charles Webster.....	A 3.....	Weeping Water
Hutchinson, Clyde William.....	A 2.....	Elgin
Hutchinson, Ethel Florence.....	T 2.....	Lincoln
Hutchison, William Carlton.....	I 2.....	Lincoln
Hutton, Thomas Andrew.....	G.	Lincoln
Hyde, Edward Leslie.....	L 2.....	Lincoln
Hyde, Ray Barrowman.....	I 2.....	Norfolk
Hyder, Verna Gretchen.....	L 2.....	Lincoln
Hydinger, Frank	M.	Hamburg, Ia.
Ideen, Albin Julius.....	As.	Raymond
Ingersoll, Arthur Everette.....	I 3.....	Lincoln
Ingles, Harry Clyde.....	L 3.....	Pleasant Hill
Ingoldsty, Mattie	S.	Douglas, Wyo.
Ingram, Della Elizabeth.....	G.	Dayton, Wash.
Inman, Tip	M.	Lincoln
Inouye, Yoshima	G.	Omaha
Ireland, Fred Marshall.....	As.	Gordon
Irvine, Robert Steele.....	I 1.....	Lincoln
Isaacson, Huldah Fredreca.....	Tu.	Omaha
Isham, Agnes Anna.....	A 3.....	Buffalo, S. D.
Isham, Edward Booth.....	A 1.....	Mazon, Ill.
Isham, Russell Raymond.....	A 2.....	Buffalo Gap, S. D.
Ivers, Louis Cecil.....	As.	Lincoln
Jackson, Belle	Lu.	Lincoln
Jackson, Clara Belle.....	Lu.	Lincoln
Jackson, Cleve L.....	As.	Thompson
Jackson, Cora	M.	Omaha
Jackson, Lina	M.	Holdrege
Jackson, Mabel Emily.....	Lu.	Odell
Jackson, William Roberts.....	G.	University Place
Jackson, Winifred Edith.....	S. Lu.....	Lincoln
Jacobs, Elsie S.....	Tu.	Daykin
Jacobsen, Carl	As.	Marquette
Jacobson, Bert Alfred.....	I 1.....	Louisville
Jacobson, Elin Emanuel.....	A 1.....	Oakland
Jacobson, Laura Theresa.....	A 1.....	Marquette
Jaeggli, Hedwig	M, Lu.....	Columbus
Jakway, Ruth Millikin.....	L 3.....	Lincoln
James, Clara Margaret.....	M, Lu.....	Nelson
James, Thomas Albert.....	L 1.....	York
Jeffords, Carl Price.....	I 4.....	Broken Bow
Jeffrey, Mary Louise.....	Lu.	Waverly

DIRECTORY OF STUDENTS

519

Jenkins, Marguerite	S.	Lincoln
Jennings, Beula Luella.....	T 3.....	Davenport
Jennings, Celia	M.	Gothenburg
Jennings, Henry	S.	Wilber
Jennings, Melvin Mifflin.....	L 3, Law u.....	Davenport
Jensen, John Christian.....	Iu.	University Place
Jensen, Marie E.....	M.	Bennet
Jensen, Mathias Pete.....	As.	Cordova
Jensen, Walter Daniel.....	Iu.	Weeping Water
Jessup, Frank Pierson.....	Law 2.....	Minatare
John, Nina Emmeline.....	S.	College View
John, Susie Esther.....	M, L 1.....	Bedford, Ia.
Johns, Walter Burchard.....	S.	York
Johnson, Anna J.....	M.	Greenwood
Johnson, Benjamin Parks.....	I 3.....	Lincoln
Johnson, Delmar Noble.....	A 2.....	Lyons
Johnson, Earle George.....	L 4, Med. 1.....	University Place
Johnson, Eleanor Moliere.....	S.	Fort Smith, Ark.
Johnson, Ernest Helmer.....	L 4.....	Lincoln
Johnson, Ethel Dorothy.....	L 1.....	Broken Bow
Johnson, Evelyn Eleanor.....	I 2.....	Oakland
Johnson, Florence	M.	Lead, S. D.
Johnson, Frank P.....	Law 2.....	Minatare
Johnson, Frank Warren.....	I 3.....	Fullerton
Johnson, Harry Herbert.....	A 3.....	Lyons
Johnson, Harry William.....	As.	Mead
Johnson, Hazel Athene.....	L 1.....	Pawnee City
Johnson, James Emmett.....	Law 1.....	Omaha
Johnson, John Blaine.....	I 4.....	Lincoln
Johnson, Leonard Oliver.....	As.	Lincoln
Johnson, Lloyd Edwin.....	L 2.....	Alliance
Johnson, Mary	M.	Smith Center, Kans.
Johnson, Mary Ethel.....	Iu.	York
Johnson, Oliver Frederick.....	As.	Mead
Johnson, Roy Rex.....	A 2.....	Burchard
Johnson, Roy Travis.....	Iu.	Lincoln
Johnson, Ruby Jane.....	L 2.....	Omaha
Johnson, Selma Adella Wilhelmina.....	A 1.....	Newman Grove
Johnson, Thomas Wilson.....	As.	Pilger
Johnson, Vernie Loren.....	As.	Fairfield
Johnson, William Newton.....	Law 1.....	Lincoln
Johnston, Edward Charles.....	Law 3.....	Lincoln
Johnston, Elmer Keyo.....	A 2.....	Holdrege
Johnston, James Emmett.....	Law 1.....	Omaha
Johnston, Paul Alfred.....	I 1.....	Red Cloud
Jonas, Rosa	A 2.....	Clarkson
Jones, Albert Button.....	A 2.....	Doniphan
Jones, Annie Elizabeth.....	M.	Lincoln
Jones, Audrey Leila.....	T 4.....	McCook
Jones, Clarence Herbert.....	As.	Marquette
Jones, Frank Arthur.....	L 4, Law 1.....	South Omaha
Jones, Frank Lorenzo.....	I 1.....	Council Bluffs, Ia.
Jones, John Davis.....	I 1.....	Oxford
Jones, Loyd Ancile.....	G.	York
Jones, Mariel Theresa.....	M, L 2.....	Lincoln
Jones, Minnie Lillian.....	S.	Hickman
Jones, Wilbur August.....	I 3.....	South Omaha
Jordan, Loyd Henry.....	Law 1.....	Gordon
Jorgensen, Earl Henry.....	I 3.....	Omaha
Joseph, Arthur Lawrence.....	Law 3.....	Polk
Joy, Hazel Dorothy.....	Iu, M.....	Lincoln
Joy, Sarah Charlotte.....	L 4.....	Lincoln
Juhl, Andrew Petersen.....	L 1.....	Marcus, Ia.

Junkin, Mary Gail.....	A 1.....	Lincoln
Junkin, Max Wallace.....	A 3.....	Lincoln
Junkin, Russell Joseph.....	A 3.....	Lincoln
Jussel, Martin Simon.....	I 3.....	College View
Karlen, Clara.....	A 1.....	Lincoln
Kate, Alice.....	L 1.....	Wayne
Kates, Jennie Mae.....	T 4.....	Lincoln
Kauffman, Dwight Leslie.....	A 2.....	Monte Vista, Colo.
Kautz, Amelia Lulu.....	T 1.....	Ponco
Kavan, William Edward.....	I 1.....	Omaha
Kay, Mildred Ida.....	T 1.....	Ewing
Kearney, Orlando Harrison.....	I 1.....	Stanton
Kech, Maud Moore.....	Lu.....	Lincoln
Keech, Mary Lourena.....	T 2.....	Lincoln
Keegan, John Jay.....	I 1.....	Alliance
Keenan, John Nicholas.....	As.....	Grafton
Keens, Frank George.....	I 1.....	Kearney
Keifer, Joseph William.....	M, L 2.....	Bostwick
Keifer, Lucy Stout.....	M, L 1.....	Bostwick
Keifer, Margaret.....	M.....	Bostwick
Kelch, Katie Elizabeth.....	T 1.....	Fairmont
Keller, Emma.....	S.....	Culbertson
Keller, Ester.....	S.....	Lincoln
Keller, Olive Hawley.....	T 1.....	Lincoln
Kelley, Flora M.....	M.....	Cheyenne, Wyo.
Kelley, Margaret.....	M.....	Lincoln
Kelly, William Alfred.....	I 4.....	Neligh
Kelsey, Charles Lee.....	A 1.....	Lincoln
Kelsey, Thomas Conklin.....	I 2.....	Lincoln
Kemble, Eugene Collen.....	T 2.....	Lincoln
Kenagy, Anna Gertrude.....	S.....	Millford
Kenagy, Nina May.....	Lu.....	Millford
Kennard, Roberta Clare.....	M.....	Glendora, Cal.
Kennedy, Arthur Garfield.....	S.....	Weeping Water
Kennedy, Berthine.....	M.....	Castana, Ia.
Kennedy, Earl Ed.....	A 2.....	Lincoln
Kennedy, Howard Ransome.....	Law 1.....	Weeping Water
Kennedy, Ruby Hazel.....	M.....	Lincoln
Kenner, Walter Vern.....	L 4, Law 1.....	Omaha
Kent, Percy Rolland.....	A 1.....	Laramie, Wyo.
Kerndt, Hertha.....	M.....	St. Francis, Kans.
Kerns, Mira Lillian.....	G.....	Adams
Kerr, Erma.....	M.....	Lincoln
Kess, Anna Barbara.....	T 2.....	Lincoln
Kess, Benjamin True.....	L 3.....	Lincoln
Kessler, Arthur Rolland.....	I 2.....	Sutton
Kessler, Charles N.....	I 1.....	Sutton
Ketridge, John Chester.....	I 4.....	Lincoln
Keyser, Rufus.....	Tu.....	Palmyra
Kidd, Dora Aldona.....	L 1.....	Beatrice
Kiddoo, Guy Cabbell.....	L 1.....	South Omaha
Kier, Harland.....	M.....	Lincoln
Kikendall, James Lee.....	A 2.....	Oskaloosa, Ia.
Killian, Sylvia.....	L 1.....	Wahoo
Killiar, Jess.....	M.....	Wahoo
Kimball, Curtis.....	M.....	Lincoln
Kimball, Dorothy.....	M.....	Lincoln
Kimball, Katherine.....	M.....	Lincoln
Kimball, Kent.....	M.....	Lincoln
Kimball, Marjorie.....	M.....	Lincoln
Kimberly, Nellie Content.....	L 2.....	Lincoln
Kimmel, Althen Moss.....	S, M.....	Lincoln
Kimmel, Belle Martha.....	S.....	Lincoln

Kimmel, Grace Jennie.....	S, T 3.....	Lincoln
Kincaid, Beatrice	M.	Lincoln
Kincaid, Lelah	M.	Lincoln
Kincaide, Gertrude	L 4.....	Lincoln
Kindig, Ethel Leta.....	A 2.....	Holmesville
Kindig, Ira Nelson.....	A 3.....	Holmesville
King, Dexter D.....	I 1.....	York
King, Grace Virginia.....	M, Lu.....	Sidney
King, Verna	M.	Edgar
Kingsley, Ellen Morris	M, L 2.....	Minden
Kinney, Albert Edward.....	A 1.....	Elgin
Kinney, Charles Everett.....	Iu.	Omaha
Kinscella, Hazel	M.	Neola, Ia.
Kinsman, Claude Dennis.....	I 1.....	Columbus
Kinsman, Katey Lora.....	T 1, M.....	Columbus
Kiplinger, Lloyd Addison.....	Law 1.....	Lincoln
Kiplinger, Ralph Ernest.....	I 1.....	Holdrege
Kissinger, Isabelle Cornish.....	Art.	Lincoln
Klein, Herman Henry.....	A 1.....	Hugo, Colo.
Klein, Millard Alschuler.....	I 4.....	Lincoln
Kline, William Bowman.....	G.	University Place
Klinker, Mary Marguerite.....	M, L 1.....	Lincoln
Knapple, George P.....	A 1.....	Lexington
Knight, Mrs. P. L.....	M.	Weeping Water
Knode, Jay Carroll.....	G.	Hebron
Knott, May Josephine.....	A 1.....	Ord
Knowlton, Blanche Gertrude.....	S, Lu.....	Lincoln
Knutzen, John Henry.....	As.	Colon
Koch, Lillian	M.	Lincoln
Koehler, Henry Charles.....	As.	Fremont
Koehler, Henry Irwin.....	I 1.....	Pilger
Koehler, John Peter.....	S.	Lincoln
Koehler, Paul Theodore.....	A 1.....	Falls City
Koenig, Albert Andrew.....	S.	Plymouth
Kokjer, Hans Madison, Jr.....	I 2.....	Clarks
Komarek, Frank	As.	Fairmont
Koontz, Edna	M.	College View
Korstian, Clarence F.....	I 1.....	Crete
Kostohryz, Anna Marie.....	Iu.	Lincoln
Kotlar, Frank John.....	I 1.....	Columbus
Kotone, Otto	S.	Humboldt
Kovanda, Marian	L 1.....	Table Rock
Krake, Leigh Seward.....	S.	West Point
Krause, Victor Walter.....	I 2.....	Albion
Kraxberger, Alfred Frank	A 3.....	Gothenburg
Kraxberger, Arthur Edward.....	As.	Gothenburg
Kraxberger, Michael Edward William.....	A 2.....	Gothenburg
Krejci, Edward	As.	Exeter
Kremer, Clarence Joseph.....	I 3.....	Alexandria
Kretsinger, Ernest Lewis.....	L 3.....	Beatrice
Krewson, Ernest Levi.....	As.	Gibbon
Kriel, Emma	Iu, M.....	Lincoln
Kroger, Ernest Gilbert.....	Law 3.....	Polk
Kruckenberg, Minnie Edith.....	T 4.....	Shelby
Krueger, Fritz-Konrad	G.	Kottbus, Germany
Krueger, John Fritz.....	G.	Kottbus, Germany
Krug, William Jennings.....	I 1.....	South Omaha
Krumbach, Marguerite	M.	Shelley
Krumhaier, Henry	As.	Lincoln
Kruse, Edith Lillian.....	Art.	Lincoln
Kucera, Frank James.....	As.	Beemer
Kuebler, Don A.....	I 3.....	Bertrand
Kuhn, Ada Ruth.....	M.	Lincoln

Kuhn, Ewing Williams.....	Iu.	Lincoln
Kuhn, Gladys	M.	Lincoln
Kuhn, Lulu	M.	Lincoln
Kunkel, Margaret Anita.....	T 1.	Osceola
Kuony, John Hubert.....	I 2.	Omaha
Kurth, Herman	M.	Lincoln
Kuska, Joseph Benjamin.....	A 3.	Ohioa
Lacey, Lydia Eva.....	L 1.	Council Bluffs, Ia.
Lackey, Paul Emmet.....	S.	Syracuse
LaChapelle, Harold Leicester.....	I 3.	Ashland
Laird, Claude Ross.....	Med. 2.	Lawrence
Laird, Lottie Ann.....	A 1.	Cheney
Laken, Lulu	M.	Lincoln
Lamb, George Newton.....	I 3.	Hooper
Lambart, Margarete Augusta.....	S, Tu.	Fairbury
Lambert, Leroy Schuyler.....	I 1.	Kearney
Lambert, Schuyler Colfax.....	Med. 3.	Neligh
Lammers, Anna Irene.....	S, T 2.	Lincoln
Lammers, Sophia Josephine.....	S, T 2.	Lincoln
Lamp, Albert Lee.....	A 3.	Inland
LaMunyon, John Asa.....	As.	Rising City
Landers, Charles Bell.....	I 1.	Norfolk
Landis, Barbara H.....	M.	Waverly
Lane, Aletha Viola.....	L 1.	Lincoln
Langer, Irvin Joseph.....	Law 1.	Wilber
Langer, Mildred	M.	West Point
Langley, Marie	M.	Lincoln
Langley, Rosa Alice.....	S, M, Lu.	Lincoln
Lanham, Vita Estella.....	T 4.	Alexandria
Lanphere, Ralph Marvel.....	As.	Garland, Wyo.
Lantz, Earl William.....	L 3.	Kearney
Lapp, Dale	L 3.	Nelson
Larson, Albin Victor.....	S.	Arapahoe
LaRue, George Roger.....	G.	Lincoln
Latenser, Frank Joseph.....	Art, Iu.	Omaha
Latenser, John, Jr.....	S.	Omaha
Laubach, Walter Howard.....	I 1.	Omaha
Laughlin, Joseph Wilson.....	I 2.	Callaway
Lauridsen, Helge	A 1.	Mason City
Lawrence, Elsie	M.	Emmet
Lawrence, Estler	M.	Lincoln
Lawrence, James Ernest.....	Law 1.	Beatrice
Lawrence, Harry John.....	A 2, S.	Lincoln
Lawrence, Lora Jeannette.....	L 3.	Fremont
Lawson, Charles William.....	A 3.	Santee
Lazo, Mauricio	I 3.	Santa Maria, Ilocos Sur, P.I.
Lazure, Charles Basil.....	Au.	Blair
Leahy, Maria Teresa.....	Lu.	Lincoln
Leamer, Emery Winfred.....	I 4, G.	Dakota City
Leamer, George William.....	L 1.	Dakota City
Leamer, Venus Una.....	T 3.	Wakefield
Leamer, Vida Minerva.....	L 4.	Wakefield
Leavitt, Frederick William.....	G.	Franklin
Leberman, Rex Hugo.....	I 4.	Fremont
Lederer, Cleo Abraham	A 1.	Norfolk
Lederer, George Washington.....	As.	Pierce
Lee, Bernice Marie.....	T 1.	Shelton
Lee, Catherine Marie.....	Art.	Lincoln
Lee, Earl Jackson.....	L 2.	Fremont
Lee, Jessie Alice.....	T 3.	Lincoln
Lee, Robert	M.	Lincoln
Leet, Fern	L 4.	Lincoln

DIRECTORY OF STUDENTS

523

Lefler, Millard Charles.....	Lu.	Elmwood
Lehr, Edith	M.	University Place
Leininger, Adeline Etta.....	M. Lu.	Loup City
Lempke, Walter John.....	I 2.	Wayne
Leonard, Claude W.....	As.	Gibbon
Leonard, George Kinney.....	I 1.	Lincoln
LeRoy, Glenn Raymond.....	I 3.	Fairbury
Leshner, Charles Frederic.....	I 1.	Lincoln
Lett, Vivian	M.	Lincoln
Letton, Harry Pike.....	I 4.	Lincoln
Letton, Will Adam.....	I 1.	Lincoln
Levin, Edwin Rudolph.....	I 3.	Wahoo
Levy, Evelyn	L 1.	South Omaha
Levy, Helen Caroline.....	Lu.	Lincoln
Lewis, Albert Leon.....	L 2.	Omaha
Lewis, Eber Brock.....	I 1.	Superior
Lewis, John Greenleaf Whittier.....	G.	Broken Bow
Lewis, Joseph	M.	Washington, Kans.
Lewis, Walker	I 1.	Lincoln
Liberman, Hattie	T 4.	Friend
Lichty, Liva	Art. M.	Lincoln
Lieber, Charles, M. D.....	G.	Omaha
Liebers, Otto Hugo.....	A 3.	Minden
Liljenstolpe, Carl A.....	Iu.	Benson
Linch, Leta Blanch.....	T 1.	Lincoln
Lindberg, Emil August.....	I 1.	Craig
Linder, Melville Milton.....	A 2.	Berwyn
Lindley, Leone	L 1.	Fairmont
Lindsay, Benjamin John.....	L 2.	Pierce
Lindsay, Ruth	M.	Lincoln
Lindsay, Cornelia	M.	Lincoln
Lindstedt, Marcus Carl.....	A 1.	Osceola
Linn, Theola Maude.....	T 3.	North Bend
Linson, John Harry.....	I 3, Med. 1.	Heartwell
Lionberger, Earl Lester.....	I 1.	Superior
Lionberger, Mrs. F. J.....	I rt.	Lincoln
Little, Elizabeth	Lu, M.	Lyons
Little, Ernest Merle.....	G.	Lincoln
Little, Irene	M.	Volliner, Idaho
Little, Katherine	T 3.	Lyons
Little, Mae	L 2.	Clarks
Little, Miriam Harriett.....	M.	Lincoln
Littell, Rurie	M.	University Place
Lively, Clarence Roscoe.....	A 1.	South Omaha
Livermore, Guy Ernest.....	S.	Sargent
Livermore, Roscoe Brown.....	As.	Pawnee City
Lloyd, Lynn	L 2.	Omaha
Lloyd, Merle	M.	Vernon, Texas
Lodge, Hazel	M.	Walnut, Ia.
Lofgren, Gus Adolph.....	I 1.	Ponca
Lofgren, Paul	A 1.	Loomis
Lomax, James Conrad.....	Lu.	Broken Bow
Lommer, Helen	M.	Omaha
Long, Albert Edwin.....	S. L 4.	West Point
Long, Edith	G.	Bellingham, Wash.
Long, Esther Anna.....	Tu.	Lincoln
Long, Grace Cornelia.....	A 1.	Wakefield
Long, Grover Cleveland.....	Law 2.	Ord
Longly, Fyfield Holt, M. D.....	Med. u.	North Platte
Longman, Effie May.....	L 3.	Missouri Valley, Ia.
Loomis, Frederick Palmerlee.....	A 2.	Ord
Loomis, James Rounds.....	S.	Ord
Loomis, Walter Phelps.....	I 3.	Omaha

Loper, Elva	M.	Adams
Lord, Carl Jacobs	L 2	Randolph
Loseke, Emma Elise	A 2	Columbus
Lowe, Percy Ernest	Law 1	Phillipsburg, Kans.
Lower, Henry Sherman	Law 2	Lincoln
Lowrey, Jessie	M.	Lincoln
Lowry, Kathryn Marie	L 1	South Omaha
Lowry, Maurice Thompson	As.	Huxley
Lucas, Roy Francis	As.	Shelby
Lucas, Thomas Martin	Law 2	Central City
Luckey, Bertha Musson	S, T 3	Lincoln
Luckey, George Paul	T 3	Lincoln
Luckey, William Henry	A 2	Columbus
Ludden, Arthur Jay	G, S	Surprise
Ludden, John E.	A 2	Lincoln
Ludwick, Karl Lorraine	I 3	Lincoln
Luebs, August	Ms 1	Wood River
Luebs, Rudolph Henry	A 3	Wood River
Luers, Herman William	As	Brighton, Ia.
Luger, Albert Louis	Lu	Lincoln
Luikart, Cordelia	L 3	Norfolk
Luikart, Ralph Herbert	I 1	Norfolk
Lute, Anna Maude	G	Paxton
Lute, Carrie Lula	L 2	Paxton
Lutz, Ormand Ray	Art, As.	Arcadia
Lux, Frank	As	Surprise
Lux, Joseph Herman	As	Surprise
Lyell, Hannah	M	Lincoln
Lyford, Gertrude Marion	L 1	Falls City
Lyford, Grace	L 1	Falls City
Lynn, Raymond Dennett	A 2	Dallas, S. D.
Lyman, Ruth Elizabeth	A 1	Holyoke, Mass.
Lykke, Helen Anna	T 1	Grand Island
Lyman, Blanche Margaret	L 1	Lincoln
Lyman, Clarice	M	Lincoln
Lyons, Flossie Louise	T 1	Asylum
McArdle, LeRoy Philip	A 3	Washington
McBrien, Dean D.	S	Lincoln
McBrien, Rufus O.	S	Lincoln
McCaig, Ella Imogene	T 2	Omaha
McCall, Frank Edmund	I 4	Lincoln
McCarthy, Charles Justin	I 1	Ponca
McCarthy, Frank Justin	Law 3	Stoughton, Wis.
McCarthy, Lee James	A 1	York
McCarty, Charles Joseph	As	Minden
McClure, Clark Erastus	P 1	Kearney
McClure, Daisy	M	Lincoln
McClure, Grace Frances	Tu	Lincoln
McClure, Leah May	T 3	Lincoln
McCoid, Lora	L 4	Logan, Ia.
McComb, Harold Edgar	G	Wilsonville
McComb, Mollie June	I 1	Wilsonville
McCray, Dora	M	Bethany
McCrea, Ural	M	Table Rock
McCullough, Alice John	L 2	Omaha
McCutchen, Dan	Law 3	Archer
McDavitt, Lavern	L 2	Hartington
McDole, Guy Raymond	I 3	University Place
McDonald, Alan	I 1	Omaha
McDonald, Dale Francis	L 3	York
McDonald, Rosmond May	L 4, S	Lincoln
McDonald, Wm. Wallace	Lu	Valentine
Macdougall, George Wendell	Law 1	Lincoln

Macdougall, Jennie	S	Lincoln
Macdougall, Raymond Barrows.....	S	Lincoln
McElrath, Eunice	M	University Place
McFaden, Niel	M	Lincoln
McGahey, Florence Irwin.....	G	Lincoln
McGahey, Jean Elizabeth.....	L 1.....	Lincoln
McGee, Edward Clarke	I 1.....	Clearwater
McGee, Frank Hoon.....	As	Bertrand
McGee, Roy	A 1.....	Bertrand
McGogy, James Frank.....	L 2.....	Lincoln
McGowan, August Claude.....	I 1.....	Scottsbluff
McGowan, Walter Ivan.....	Art. I 1.....	Scottsbluff
McGraw, Mattie Elizabeth.....	T 1.....	Lincoln
McGuire, William Lawrence.....	L 1.....	Sidney
McIntosh, Nelle	T 1.....	Lincoln
McKay, Harry Selim.....	Lu	Beaver Crossing
McKee, Earl Cleveland.....	Law 1.....	Lexington
McKibben, Blanche	M	Memphis
McKillips, Ivan	I 2.....	Albion
McKinley, Frank Robert.....	S	Burchard
McLean, Earl	S	University Place
McLean, Laura Elizabeth.....	S	Lincoln
McLean, Margaret Helena.....	S, G.....	Lincoln
McLean, Pearl, Elotia.....	S	Liberty
McMahon, Lizzie	S	Central City
McManigell, Cosette	M, Lu.....	Lincoln
McMaster, Howard	M	Lincoln
McMullen, Ethel	M, Lu.....	Burwell
McMullen, Ethel	M	Lincoln
McNabb, Frances	L 1.....	Lincoln
McNeel, Allen Grant.....	I 2.....	North Platte
McNeel, Edwin Lawson Davenport.....	A 2.....	North Platte
McNeel, Gabrielle Maybell.....	Art. Lu.....	North Platte
McVeigh, Mabelle Rae.....	L 3.....	Lincoln
Mack, Ann Louise.....	L 4, S.....	Omaha
Mackin, Ruth Katherine.....	L 2.....	Omaha
Macfarlane, Ethel	M	Lincoln
Maclaren, Isa	Lu	Lincoln
Maclaren, Maude	M	Lincoln
Magee, Rosalie	L 1.....	Auburn
Maghee, Valliere Baldwin.....	L 1.....	Lander, Wyo.
Magill, Alice Mary.....	A 1.....	Lincoln
Mahood, Samuel Arthur.....	I 3.....	Columbus
Maish, Herbert William.....	L 1.....	Falls City
Malick, Jesse Uriah.....	P 1.....	Bloomington
Maline, Gust Elmer.....	As	Cozad
Malleck, Lazarus A.....	Lu	Urmiah, Persia
Mallery, Earl Dean.....	Law 1.....	Alliance
Mallory, Eudora	M	Lincoln
Malmquist, Lynne Fay.....	L 1.....	Omaha
Malone, Celia Genevieve.....	L 1.....	Omaha
Malone, Florence	Lu, M.....	Lincoln
Malone, John Jerome	S	Madison
Malone, Mary Rose.....	L 3.....	Omaha
Malone, Robert Thomas.....	L 1.....	Lincoln
Maloney, James Robert.....	I 1.....	Wymore
Malsbary, Fay	Art, Lu, M.....	Fairmont
Mangold, Arthur Ulysses.....	Lu	Bennington
Mann, Olive Beulah.....	T 1.....	Rushville
Manning, Bessie	M	Colorado Springs, Colo.
Mansfield, Margaret	S	Lincoln
Mantor, Edna Clara.....	L 4.....	Cozad
Mantor, Harry Lyman.....	Med. 4.....	Cozad

Marconnit, Fred Peter.....	Law 1.....	Lincoln
Marferding, Sarah Janet.....	L 4.....	Lincoln
Marlatt, William Fern.....	As.....	Lincoln
Marley, Pauline E.....	S.....	Mason City
Marshall, George Andrew.....	S.....	Leigh
Marshall, Leila Fern.....	A 1.....	Lincoln
Marshall, Mrs. L. W.....	Lu.....	Lincoln
Marshall, Orrie LeRoy.....	As.....	Elmcreek
Martin, A. Zota.....	Lu.....	Lincoln
Martin, Carl Ernest.....	I 2.....	Blue Hill
Martin, James Russell Ray.....	I 1.....	Holdrege
Martin, Minnie Alice.....	Lu.....	Fairbury
Martin, Roy David.....	Med. 2.....	Lincoln
Martin, Sarah Margaret.....	T 3, M.....	South Omaha
Martin, Wade Randall.....	I 1, S.....	Lincoln
Martz, Clyde Ollen.....	I 1.....	Liberty
Mason, John Glenn.....	I 3.....	Lincoln
Mason, Margaret.....	M.....	Lincoln
Massinger, Louisa.....	M.....	Guide Rock
Mate, Emma Louise.....	M.....	Plainview
Mather, Roy Frederick.....	L 2.....	Aurora
Mathews, Mrs. Day.....	M.....	Callaway
Mathews, Elsie Forest.....	L 1, M.....	Wymore
Mathews, Ina LeHew.....	Tu.....	University Place
Mathewson, Louise.....	Lu.....	Lincoln
Matney, Bertha.....	M.....	Birney
Matraw, Agnes.....	L 1.....	Norfolk
Matson, Elmer Eugene.....	A 2.....	Stromsburg
Matteson, Guy Harold.....	L 4, S, Law 1.....	Lincoln
Matteson, Helen Mary.....	M.....	Lincoln
Matthews, Edna Louella.....	S.....	Tekamah
Matthews, Homer Lawrence.....	I 2.....	Auburn
Matthews, Lillian Ruth.....	G.....	Sioux City, Ia.
Mattison, Alice Amanda.....	S.....	Lincoln
Mattison, George, Jr.....	L 1.....	Ponca
Mattson, Hannah.....	M.....	Loomis
Maxfield, Don Deal.....	A 2.....	Dorchester
Maxwell, James.....	M.....	Lincoln
Maxwell, James Taliaferro.....	Med. 1.....	South Omaha
May, Elizabeth Marker.....	Lu.....	Lincoln
May, Pearl Florence.....	T 2.....	Lincoln
Maybury, Lottie.....	Lu, M.....	Neligh
* Mayland, Amy Evelyn.....	G.....	
Mayland, Dorothy.....	T 4, S.....	Seward
Meacham, Ina Rosella.....	A 1.....	Grand Island
Medlar, Edgar Matthias.....	Med. 1.....	Ohioa
Meese, Charles Alexander.....	Med. u.....	Lincoln
Meler, Louis Francis.....	S.....	Lincoln
Melsenheimer, Bijou.....	M, Lu.....	Hiawatha, Kans.
Melcher, Ida H.....	Tu.....	Omaha
Melcher, Mabel Dorothy.....	L 1, M.....	South Omaha
Melick, Bertha Lucille.....	Lu.....	University Place
Melliza, Kathryn Margaret.....	M, Lu.....	Verdon
Mengel, Carl Wayne.....	I 3.....	Wahoo
Mensel, Earl Reed.....	Art.....	Lincoln
Meredith, Mamie.....	L 2.....	Lincoln
Merrell, Max.....	L 2.....	Fairbury
Merrill, Lena.....	Lu.....	Lincoln
Merritt, Charley Demmon.....	I 2.....	Chadron
Mertes, Mozart Mendelssohn.....	Law 1.....	Blue Springs
Mesrobian, Herbert Newton.....	L 1.....	Edgar

* Deceased.

DIRECTORY OF STUDENTS

527

Meston, Agnes	S	Hastings
Meston, Helen	S	Hastings
Metcalf, Mabel Clare	T 2	Broken Bow
Metcalf, William Buehler	Lu	Lincoln
Metz, Roy Milton	Law 1	Cambridge, Ill.
Metzger, Pattie Mary	Art, I 1	Plattsmouth
Meyer, August Henry	I 4	Grand Island
Meyer, Coralie Henrietta	T 3	Omaha
Meyer, Walter Leslie	L 2	Hastings
Meyers, Gertrude Louise	L 1, M	Germantown
Meysenburg, Stephen Dominic	A 1, S	David City
Michal, Raymond Llewelyn	As	University Place
Michaelson, Walter Anton	I 1	Plainview
Mickelwait, Joy	M	Glenwood, Ia.
Middleton, Archie Donaldson	A 3	Gothenburg
Middleton, William Ralston	As	Postville
Mielenz, Howard Hamilton	Law 1	Wahoo
Millek, William Arthur	I 2	Lincoln
Miles, Geo. Franklin	I 1	College View
Miller, Ann Wilson	L 3	Culbertson
Miller, Bert	I 1	Elyria, Ohio
Miller, Charles Edward	I 3	Friend
Miller, Clara Hedges	U 4	Logan, Ia.
Miller, Donald Walters	Lu	Lincoln
Miller, Earl Edwin	As	Omaha
Miller, Edna Grace	L 1	Beatrice
Miller, Edward J.	As	Dorchester
Miller, Florence	M	Lincoln
Miller, Fred William	I 1	Beatrice
Miller, Gertrude Anna	Art, L 3	Beatrice
Miller, Helen	M	Lincoln
Miller, Jessie	M	Lincoln
Miller, Marguerite	M	Lincoln
Miller, Maude Elizabeth	T 2	Lead, S. D.
Miller, May	L 1	Lincoln
Miller, Mrs. May Agee	Lu	Lincoln
Miller, Millie Lucile	L 2	Lincoln
Miller, Miriam Cora	L 4	David City
Miller, Pauline	M	Sutton
Miller, Robert Glenn	Med. 3	Blair
Miller, Talmage Eugene	I 2	Greenwood
Milliken, Elma Jane	T 4	Fremont
Mills, Benjamin Harrison	A 2	Arnold
Mills, Samuel Emerson	T 1	Ravenna
Mills, Willard Cooke, Jr.	I 4	Lincoln
Milroy, Isabelle Sarah	Lu	Omaha
Minick, Roy Logan	Med. u.	Cambridge
Minor, Harry Ross	Lu	Auburn
Minor, Mary Kathryn	Lu	Lincoln
Minthorn, Martin F., M. D.	Med. u.	Castana, Ia.
Miskell, Berna Ann	I 2	Lincoln
Mitchell, Albert Caske	A 2	Santee
Mitchell, Claude William	I 3	Lincoln
Mitchell, Coilla	M	Sheridan, Wyo.
Mitchell, D. C.	I 3	Lincoln
Mitchell, Helen Schwab	L 2	Lincoln
Mitchell, Sophia	Lu	Lincoln
Mitten, Marie	M	Thedford
Mockett, Kathryn Marie	L 1	Lincoln
Mockridge, Drusilla Charlotte	Lu	Lincoln
Modesitt, Carl Leland	I 3	Grand Island
Moffett, Beatrice	Lu	Lincoln

Mohler, Sarah	M	Lincoln
Mohr, Carl Gustav.....	As	Mason City
Monbeck, Roy Royer.....	I 2	Lincoln
Monfelt, George Edward.....	As	Barneston
Monick, James August.....	S	Omaha
Monier, Missouri	M, T 1	Lincoln
Monier, Vivian	M	Lincoln
Monnich, Edward Jacob.....	A 2	Hooper
Monson, Walter Albert.....	L 3	Osceola
Montgomery, Edward Gerrard.....	G	Lincoln
Montgomery, Glenn Edgerton.....	I 1	Raymond
Montgomery, Guy	L 4	Albion
Montgomery, Ora Claire.....	I 1	Scribner
Moon, Charles Frank.....	I 1	Ashland
Moorberg, Paul George.....	As	Milford
Moore, Elsie	M	Seward
Moore, Helen Briggs.....	I 1	Lincoln
Moore, Vashti	M	Lincoln
Moore, Wilhelmina	M	Fort Dodge, Ia.
Morehead, Dorothy Lee.....	L 1	Falls City
Morehouse, Nye Franklin.....	Law 1	Fremont
Morgan, Ada Mabel.....	T 3	Lincoln
Morgan, John	A 1	Stuart
Morgan, Joseph Harney.....	Law 2	Stuart
Morgan, Loring Edwin.....	L 3	Lincoln
Morgan, Paul Clellan.....	I 2	Plattsmouth
Morley, Grace	M	Lincoln
Morley, May	S	Lincoln
Morley, Frances	M	Lincoln
Morrasy, Albert Clayton.....	A 2	Lincoln
Morris, Llewelyn E.....	A 2	Carroll
Morrow, Carl William.....	L 1	Lincoln
Morrow, Fred Ernest.....	S	Fullerton
Morrow, Zelda Hosie.....	S, M	Fullerton
Morse, Marjorie Esther.....	Lu	Lincoln
Morse, William Best.....	L 1	Lincoln
Mortensen, Clement Silas.....	A 2, S	Fort Calhoun
Mortimer, Agnes Ogilvie.....	Lu, S	Lincoln
Mortimer, Lillie Anne.....	S	Lincoln
Mortimer, Margaret Craig.....	Lu	Lincoln
Moseley, Ralph Stuart.....	L 3	Lincoln
Moseley, Thomas Wesley.....	A 3	Lincoln
Moses, Franzl Irving.....	As	Wayne
Mosser, Abraham.....	M	Lincoln
Mote, Emma Louise.....	Lu	Plainview
Mote, Ross Allen.....	I 1	Plainview
Mottis, Charles.....	I 1	Geneva
Mowry, Cleo Jesse.....	I 2	Geneva
Mullins, Tom Peter.....	I 1	Broken Bow
Mumme, Carl Frederick Ernest.....	As	Emerald
Mundhenke, Daniel Frederick.....	As	Milford
Mundy, Louise Easterday.....	Art, S	Lincoln
Munger, Alfred Case.....	L 1	Lincoln
Munger, Ruth.....	L 2	Lincoln
Munson, Earle Walter.....	I 2	Aurora
Munson, Elroy Stewart.....	L 2	Aurora
Munson, Goldie.....	L 2	Aurora
Murphy, Ralph Burnett.....	Law 3	Crete
Murray, Edward Michael.....	As	O'Neill
Murray, Robert Burns.....	A 3	Elwood
Mussen, Thomas Alexander.....	I 1, Law 1	New York City
Mutz, Roscoe Dennis.....	Law 1	Burton

Mutz, Sterling Faan.....	Law 1.....	Auburn
Myatt, Ida May.....	T 3.....	David City
Myers, Benjamin Lee.....	Med. 4.....	Cameron, Mo.
Myers, Eda Bernice.....	M. G.....	Lincoln
Myers, Fay Nellie.....	L 4.....	University Place
Myers, Lottie Kate.....	T 2.....	David City
Myers, Wilson Alexander.....	Med. 1.....	Hastings
Naber, Annie Henrietta Margarette.....	A 1.....	Scribner
Nardin, Frances Louise.....	S.....	Kansas City, Mo.
Nash, Kenneth Earl.....	A 2.....	Benson
Nason, Helen Clarissa.....	T 1.....	Omaha
Naumann, Margaret Anna.....	T 1.....	Columbus
Neale, Bertha.....	S, T 3.....	Fort Calhoun
Needham, Daisy Jeanette.....	G.....	Bostwick
Neff, Adolph Anton.....	I 2.....	Nebraska City
Neff, Nat Henry.....	I 1.....	Lincoln
Negley, Noel Ardis.....	T 2.....	Ansley
Neilson, Gertrude Mabel.....	L 4.....	Norfolk
* Nelson, Arthur Gustavus Adolphus.....	Law 3.....	
Nelson, Candis Jane.....	G.....	Lincoln
Nelson, Carl David.....	Med. 4.....	College View
Nelson, Carl Herbert.....	A 1.....	Hooper
Nelson, Clarence James.....	A 3.....	Pilger
Nelson, Edwin Clark.....	As.....	Superior
Nelson, Enoch Wesley.....	L 1.....	Lincoln
Nelson, Fred Christian.....	As.....	Dannebrog
Nelson, Golda Bessie.....	L 3.....	Lincoln
Nelson, Gust William.....	As.....	Oakland
Nelson, Hermann Arthur.....	A 2.....	Oakland
Nelson, Hildur Regina.....	A 1.....	Bradish
Nelson, Irvin Andrew.....	A 2.....	Pilger
Nelson, Laurel Ernest.....	As.....	Belvidere
Nelson, Leonard.....	A 2.....	Stromsburg
Nelson, Lillian Eliza.....	S.....	Cody
Nelson, Mabel Esther.....	T 3.....	Oakland
Nelson, Nels Peter.....	I 4.....	Lincoln
Nelson, Otto Clarence.....	A 2.....	Scandia, Kans.
Nelson, Roy Leslie.....	I 3.....	Oakland
Nesbit, Lois.....	M.....	Tekamah
Nesbitt, Orpha.....	Art.....	Lincoln
Neumann, Gustav Adolph.....	G.....	Lincoln
Neumarker, W. Richard.....	Med. u.....	Edgemont
Neville, Ena Silvesta.....	L 1.....	Henrietta, Texas
Nevins, Orpha.....	M.....	Adams
Newbranch, Grace Vivian.....	L 3.....	Lincoln
Newell, Hiram Edgar.....	I 3.....	Beatrice
Newell, Lawrence E.....	I 1.....	Minden
Newell, Mary Jane.....	S.....	University Place
Newman, Allen Thurman.....	I 1.....	Hebron
Newman, John Wright.....	Med. u.....	Aurora
Newman, Meyer Harris.....	Med. 3.....	Omaha
Newman, Minnie Mae.....	S, L 3.....	Lincoln
Newmark, Jessie Alice.....	Lu.....	Lincoln
Newton, Earl Burdette.....	G.....	Seattle, Wash.
Newton, Felix.....	G.....	Lincoln
Nichols, Fred Trueman.....	Law 2.....	University Place
Nichols, Pearl.....	Tu.....	Plattsmouth
Nicholson, Hugo McLernon.....	Law 2.....	Wisner
Nielsen, Ada Margaret.....	L 1.....	Oxford
Nielsen, Arthur Andrew.....	I 3.....	Stamford

* Deceased.

Nightingale, Beatrice.....	M	Loup City
Nightingale, Herbert Spencer.....	Law 1.....	Loup City
Niles, James Irving.....	I 1, Med. u.....	Hastings
Nims, Mabelle Zoe.....	G	Humboldt
Nippert, Ward Ellsworth.....	I 2.....	Ohlawa
Nisley, Isaac Johnson.....	Law 1.....	Lexington
Nixon, Harry Stilwell.....	I 3.....	South Omaha
Nixon, John.....	A 2.....	Homer
Noble, Harold Miller.....	L 2.....	Lincoln
Noelting, William Henry.....	I 1.....	Nebraska City
Norberg, William Arthur.....	L 2.....	Holdrege
Norris, Joseph Isaiah.....	I 1.....	Stella
Northrop, Frank E.....	L 3.....	Miller
Novotny, Jaroslav.....	As	Clarkson
Nye, Homer LeRoy.....	A 2.....	Lexington
Oberfelder, Arthur Milton.....	L 1.....	Sidney
O'Connor, Charles Mallon.....	I 1.....	Fort Robinson
O'Connor, Emerson Grant.....	A 1.....	Lincoln
O'Connor, James Walker.....	I 2.....	Norfolk
O'Connor, Mary.....	Lu	Lincoln
Odiorne, Mary.....	M	Norfolk
Odvydy, Joseph.....	As	Tobias
Oest, William Charles.....	I 1.....	Lincoln
Ogborn, Gladys.....	M	Raymond
Ogden, Hattie Ruth.....	T 2.....	Genoa
Ohlsen, Edith Violet.....	I 1.....	Oakland
Ohlsen, Herman Arthur.....	I 1.....	Loup City
Ohlsen, William Henry.....	Ms 1.....	Loup City
Ohlsen, Winnie Atunia.....	A 1.....	Oakland
Oliver, Gilbert Louis.....	As	Doniphan
Oliver, James.....	S	Lincoln
Ollis, Alice Mabel.....	I 1.....	Ord
Ollis, Ethel Mary.....	A 1.....	Ord
Ollis, William Matthias.....	A 3.....	Ord
Olmstead, Everett Horace.....	I 2.....	Bartley
Olmstead, Lewis Bertie.....	S, I 4.....	Lincoln
Olsen, Maren.....	A 1.....	Hampton
Olson, John Hjolmar.....	As	Minden
Olson Oscar Leonard.....	I 3.....	York
Olsson, Justus Edgar.....	Med. 3.....	Lexington
Orlofsky, Anna.....	S, Art.....	Lincoln
Orlofsky, Sylvia.....	L 1.....	Lincoln
O'Rourke, Edward.....	I 1.....	McCook
Orr, Alice D.....	Tu	Omaha
Orr, Raymond.....	M	West Newton, Pa.
Oshorn, Charles Raymond.....	As	Washington
Oshorn, Emma Caroline.....	T 2, S.....	Lincoln
Oshorn, Myron Hulse.....	A 1.....	Wauneta
Oshorn, Rena.....	S	Lincoln
Oshorne, Florence Lois.....	L 2.....	Lincoln
Oshorne, Harold Allen.....	L 1.....	Genoa
O'Shea, Loretta.....	Art	Lincoln
O'Shee, Marie Rose.....	S	Lincoln
Osler, Frank.....	A 2.....	Madrid
Osler, Harriot Dorcas.....	L 2.....	Carson, Ia.
Osler, Helen Tabitha.....	L 2.....	Carson, Ia.
Osterhout, Fay.....	L 2.....	David City
Osterhout, Lyle Clair.....	L 2.....	David City
Ostrander, Ada Emily.....	L 3.....	Crab Orchard
Oteyza, Maurice J.....	S	Manila, P. I.
Onrada, Frank Joseph.....	As	Overton
Outhouse, Emma Gerdes.....	T 2.....	Loup City

Outhouse, Meroe Jaynes.....	T 2.....	Loup City
Overman, Helen Beatrice.....	M.....	Red Cloud
Overman, Charles Ernest.....	I 4.....	Lincoln
Overstreet, Susie.....	M.....	Lincoln
Owen, Alva Franklin.....	S.....	Memphis
Owen, Hubert Keyes.....	I 2.....	Omaha
Owens, Clarence Herbert.....	I 2.....	Ashland
Paddock, Richard Bolles.....	Lu.....	Lincoln
Paden, Minnie Rosella.....	T 1.....	Lincoln
Padnos, Joseph Lewis.....	Law u.....	Redfield, S. D.
Pagaduan, Guillermo.....	I 4.....	Candon, Ilocos, Sur, P. I.
Page, Ida May.....	Art, M.....	Hampton
Pagenstecher, Ada.....	L 1.....	Council Bluffs, Ia.
Paine, Charles Kenneth.....	Iu.....	Ainsworth
Palmer, Arthur Lundin.....	L 3.....	Louisville
Palmer, Charles Edward.....	Med. 1.....	Worland, Wyo.
Palmer, Ella May.....	Lu.....	Fairmont
Palmer, Irwin Ross.....	I 2.....	Fairfield
Palmquest, Laura.....	M.....	Hooper
Papez, Emilie Barbara.....	M. Lu.....	Albion
Papez, Emma.....	A 1.....	South Omaha
Park, Fred Weimar.....	G.....	Lincoln
Park, Young M.....	Lu.....	Lincoln
Parker, Mary.....	M.....	Lincoln
Parks, Ann.....	M.....	Lincoln
Parks, Joe Deyo.....	L 2.....	Lincoln
Parmelee, Alfred Edwin.....	I 1.....	Lincoln
Parmenter, John Glenn.....	I 1.....	Kenesaw
Parmenter, Ray Allen.....	A 3.....	Kenesaw
Parpitt, Lillian.....	M.....	Toneka, Kans.
Parsons, Susanne R.....	M.....	Lincoln
Pascoe, Mary.....	A 1.....	Fremont
Patterson, Albert Raymond.....	I 1.....	Omaha
Patterson, Edward James.....	L 1.....	Central City
Patterson, Marguerite Elizabeth.....	T 2.....	Rushville
Patterson, Robert Wortman.....	L 2.....	Lincoln
Pattison, Warren Berry.....	Iu.....	Fremont
Patton, James Milton.....	Law 3.....	Lincoln
Patton, Mildred Merle.....	S, L 2.....	Lincoln
Paulson, Maurice Ferdinand.....	I 3.....	Minden
Peale, Sherman Charles.....	L 1.....	Broken Bow
Pearse, Henry Bennett.....	I 1.....	Genoa
Pearson, Clara Helen.....	T 1.....	Wilcox
Pease, Harry Pease.....	A 2.....	Farragut, Ia.
Peck, Leelah McCormick.....	L 1.....	University Place
Peck, William Kerr.....	A 1.....	Falls City
Pegler, Ethel Artha.....	T 1.....	Lincoln
Pelterson, Arne Khristopher.....	S.....	Elk Horn, Ia.
Pelander, Harry.....	M.....	Holdrege
Pelikan, Frank.....	As.....	Davenport
Pelster, Edwin Rudolph.....	I 4.....	Omaha
Pence, Arthur Jacob.....	I 2.....	Schuyler
Penner, John.....	As.....	Beatrice
Pennington, Ruth.....	M.....	Lincoln
Pepoon, Philip Wendell.....	G.....	Lincoln
Pepper, Jennie.....	A.....	Lincoln
Perkins, Ethel Marie.....	L 3.....	Lincoln
Perkins, Glen Ogle.....	As.....	Arnold
Perley, Marie Huntress.....	Lu.....	Lincoln
Perrin, Edna.....	L 2.....	Lincoln
Perrin, Florence.....	M.....	Lincoln
Perrin, Hazel.....	Iu.....	Lincoln

Perry, Claibourne Gordon.....	I 2.....	Lincoln
Perry, Emma Martha.....	S, T 4.....	Lincoln
Perry, Galen Paul.....	A 2.....	Lincoln
Perry, Gilbert Clinton.....	As.....	Stanton
Perry, Harry Otis.....	L 3.....	Lincoln
Persinger, Mary Eudora.....	S, T 3.....	Lincoln
Person, Ernest Theodore.....	A 2.....	Holdrege
Pestal, Annie.....	As.....	Wahoo
Pestal, Gustave Adolph.....	T 1.....	Wahoo
Peters, Gus William.....	L 4, S.....	Springfield
Petersen, John Martin.....	A 2.....	Carroll
Petersen, Laura Margaret.....	L 1.....	South Omaha
Peterson, Albin Frederick.....	As.....	Oakland
Peterson, Andreas Chris.....	I 4.....	Omaha
Peterson, Carl Petrus.....	Law 3.....	Stromsburg
Peterson, Elsie Della.....	L 2.....	Cedar Rapids
Peterson, Frank August.....	Law 2.....	Lincoln
Peterson, Frank Clarence.....	As.....	Exeter
Peterson, Gladys.....	M.....	Beaver Crossing
Peterson, Huldah.....	S.....	Bertrand
Peterson, Julia Anna.....	M.....	Lexington
Peterson, Louie.....	A 1, S.....	Mason City
Peterson, Sylvia E.....	S.....	Valparaiso
Petrashkek, George Leon.....	I 2.....	Humboldt
Pettijohn, Laura Anna.....	L 3.....	Long Pine
Pettit, Dorothy.....	M, Art.....	Lincoln
Pettit, Juanita.....	L 1.....	Lincoln
Pfeiffer, Ernst.....	Iu.....	Lincoln
Pfeiffer, Laura Bole.....	G.....	Kadoka, S. D.
Pfeiffer, Mary Elizabeth.....	M.....	Lincoln
Philbrick, Inez Celia.....	G.....	Lincoln
Phillips, Bertha Belle.....	G.....	Lincoln
Phillips, Clark.....	Med. 1.....	Yutan
Phillips, Cyrus Grommer.....	L 1.....	Aurora
Phillips, James C.....	I 1.....	Yutan
Phillips, Nellie Jane.....	Iu.....	Lincoln
Phillips, Nellie.....	S.....	Bethany
Phillips, Oliver Legrand.....	I 4.....	Lincoln
Phillips, Richard Allison.....	I 1.....	Lincoln
Philpott, Charles Wescott.....	G.....	Lincoln
Pickel, Catherine Louise.....	T 2.....	Lincoln
Pickens, Rex.....	A 1.....	Powell
Pickup, Nellie Buncher.....	Iu.....	Lincoln
Pierce, Alma.....	Iu.....	Lincoln
Pierce, Ethelyn Sarah.....	Iu.....	Lincoln
Pierce, John Henry.....	A 2.....	Atlanta
Pierce, Martha.....	Iu.....	Lincoln
Pierce, Minnie Josephine.....	I 4.....	Oxford
Pierce, Orville Hugh.....	I 1.....	Syracuse
Pierce, Paul Harold.....	I 3.....	Lincoln
Pierson, Henry.....	A 2.....	Keene
Pike, James Edward.....	I 2.....	Stromsburg
Pilant, Daniel Wesley.....	As.....	Bennington
Pilcher, Milton Hunter.....	Law 2.....	Lead, S. D.
Piper, Mamie Amanda.....	L 1.....	Lyons
Piper, Mildred Olive.....	L 1.....	Lyons
Pitzer, Euzella J.....	As.....	Plainview
Pitzer, Harvey Willis.....	As.....	Plainview
Plasters, Warren Howard.....	I, 2.....	Stella
Platz, Ada.....	Med. 4.....	Lincoln
Plumb, Donovan Donald.....	I 2.....	Lincoln
Plumb, Henry Hammond.....	I 2.....	Lincoln

Polk, Gilbert Cameron.....	I 1.....	Louisville
Pollard, Oren Malcolm.....	A 3.....	Nehawka
Polleys, Edgar Garwood.....	I 3.....	Lincoln
Polleys, Evelyn.....	G.....	Lincoln
Pomerene, Joel DeWitt.....	I 1.....	Lincoln
Pomeroy, Alice Reynolds.....	L 2, M.....	Lincoln
Pool, Albert.....	I 2.....	Weeping Water
Pope, Elizabeth B.....	L 1.....	University Place
Pope, Jessie Pearle.....	T 1.....	Denver, Colo.
Pope, Walter Lyndon.....	L 4.....	Grand Island
Porter, Clovis Austin.....	L 2.....	Lincoln
Porter, Dorothy Mard.....	G.....	Benkelman
Porter, Guy Livingston.....	I 1.....	Alma
Porter, Katherine Belle.....	Lu.....	Lincoln
Porter, Kezzle Fidelia.....	S.....	Franklin
Pospisil, Paul.....	AS.....	Prague
Post, Delia Coe.....	S.....	Deadwood, S. D.
Post, Robert Dunn.....	I 1.....	Stromsburg
Poston, Harry N.....	L 4.....	Stromsburg
Potter, Herbert William.....	L 3.....	Omaha
Potts, John Beekman, M.D.....	G.....	Omaha
Potts, Madge J.....	I 1.....	Broken Bow
Pound, Mrs. J. A.....	S, Art.....	Lincoln
Pound, Oliva.....	G.....	Lincoln
Pound, Sadie.....	Art.....	Lincoln
Powell, Alfreda.....	Art, L 3.....	South Omaha
Powell, Earl Loren.....	Law u.....	Smithfield
Powell, Keith Walker.....	I 2.....	Lincoln
Powell, Leota Fay.....	M, Art, Lu.....	Lincoln
Powell, Ward Hughes.....	I 2.....	Overton
Power, John Franklin.....	L 1.....	Ponca
Power, Walter Robert.....	L 1.....	Ponca
Powers, Fannie Mae.....	Art.....	Creston, Ia.
Powers, Hildegard.....	Tu.....	Lincoln
Pratt, George Peyton.....	I 3.....	Lincoln
Pratt, Minnie Grace.....	L 1.....	Omaha
Pray, John Lyman.....	A 3.....	Loup City
Preston, Glenn Albert.....	Law 1.....	Fremont
Prewitt, Elsie Pearl.....	T 1.....	Lincoln
Price, Ruth Amelia.....	T 4, S.....	Lincoln
Price, Samuel Sterling.....	Au.....	McDonough, Ga.
Prickett, Bernice Marie.....	L 3.....	Fairfield
Pritchard, George Winthrop, M.D.....	G.....	Omaha
Pritchett, Gilbert Lafayette, M.D.....	Med. u.....	Fairbury
Proud, George Curtis.....	Law 2.....	Holbrook
Proudfit, Frank Sabin.....	L 2.....	Lincoln
Proudfit, William Solomon.....	I 1.....	Lincoln
Prouty, Harrie Montross.....	I 1.....	Lincoln
Provaznik, William Joseph.....	I 3.....	Omaha
Provost, Belva.....	M, Lu.....	York
Ptacek, Eva Caroline.....	T 1.....	David City
Pugsley, Charles William.....	G.....	Lincoln
Purcell, John Ralph.....	G.....	North Bend
Purinton, Alice McClellan.....	G.....	Wilcox
Purviance, Percy.....	G.....	University Place
Putcamp, Fannie Elizabeth.....	L 1.....	Omaha
Putnam, John Jacob.....	G.....	Gibbon
Pyrtle, Emma Ruth.....	.....	Lincoln
Pyrtle, Jessie Blanche.....	L 3.....	Beatrice
Quackenbush, Hazel E.....	S.....	Lincoln
Queal, Ralph William.....	I 2.....	Lincoln
Queen, Stuart Alfred.....	L 3.....	York
Quick, Angie.....	Lu, M.....	Indianola

Quimby, Alice Mae.....	M, L 1.....	Creston, Ia.
Rabaler, Alex.....	A 1.....	Leigh
Raber, Hazel Elaine.....	L 2.....	Stuart
Racely, Wilbur A.....	I 4.....	Pender
Rader, Beulah Scott.....	Lu.....	Lincoln
Ragan, Will Emmor.....	Med. u.....	Utica
Rainbolt, Ray.....	I 3.....	Lincoln
Ramey, Janet Louise.....	Lu.....	Lincoln
Rand, Mathias.....	A 1.....	Bradish
Randall, Edna May.....	L 2.....	Oberlin, Kans.
Randall, Margaret Emily.....	L 2.....	Newman Grove
Randall, Rex Roland.....	I 1.....	Gibbon
Rands, Robert Delafield.....	A 3.....	Lincoln
Rands, Sarah Jane.....	S.....	Lincoln
Range, Bertha Emma.....	S.....	Lincoln
Range, Vera G.....	M.....	Lincoln
Rannie, George M.....	I 4.....	North Platte
Raper, Pauline.....	L 4.....	Pawnee City
Rasmussen, Axel.....	As.....	Cordova
Ratcliff, Josiah French.....	Eaw 1.....	Stratton
Rathbone, Samuel-Harvey.....	I 2.....	Lincoln
Rathke, Anna Mary.....	T 4.....	Glenwood, Ia.
Ravenscroft, Royal Morton.....	L 1.....	Ainsworth
Raymond, Anan Richard.....	L 2.....	Fairmont
Raymond, Eleanor.....	M.....	Lincoln
Raymond, Ruth.....	M.....	Lincoln
Raynor, Mabelle E.....	M.....	Lincoln
Rea, Hagey Burton.....	I 1.....	Lincoln
Reddish, Robert Owen.....	Law 1.....	Alliance
Reed, Etta.....	S.....	Milford
Reed, Guy Euclid.....	L 2.....	Lincoln
Reed, Mrs. J. T.....	Art.....	Lincoln
Reed, Mary.....	M.....	Lincoln
Reed, Merrill.....	M.....	Lincoln
Reed, Roland Ray.....	Med. 3.....	Randolph
Reed, Will.....	M.....	University Place
Reed, Zora.....	Art.....	Greeley Center
Reeder, Catherine.....	T 2.....	Hot Springs, S. D.
Reeder, Clara Smith.....	Lu.....	Columbus
Rees, David.....	A 2.....	Carroll
Reeves, Delle M.....	M.....	Bethany
Reid, Andrew Joseph.....	A 2.....	Brooklyn, N. Y.
Reid, Erle Hamilton.....	Law 1.....	Wyncofe, Wyo.
Reid, Ralph.....	I 3.....	Albion
Reid, Ralph Judson.....	I 3.....	Lincoln
Reimche, Robert Clifton.....	Med. 3.....	College View
Reimer, William.....	Lu.....	Bartley
Reimers, Christian Albert.....	I 4.....	Pierce
Reinsch, Frank Herman.....	T 4.....	Denver, Colo.
Rejcha, Joseph.....	A 1.....	Hallam
Relf, Josiah Francis.....	I 2.....	Lincoln
Remy, Charles Edward.....	Med. 3.....	Lincoln
Rentfro, Charles Curtis.....	Med. 1.....	College View
Realer, John Clarence.....	I 3.....	Wilsonville
Resner, Herbert Andrew.....	L 1.....	Manning, Ia.
Reynolds, Berdette Miles.....	Iu.....	University Place
Reynolds, Leo Francis.....	I 3.....	David City
Reynolds, Martha.....	M.....	Fremont
Reynolds, William Henry.....	Law 3.....	Lincoln
Rhode, Joseph Paul.....	Law 1.....	Lincoln
Rhodes, Noel Nicholson.....	A 3.....	Creighton
Rice, Evelyn.....	Art.....	Lincoln

Rice, John Lawrence.....	Law 2.....	McCook
Rice, Ray Everette.....	L 2.....	Lincoln
Rice, Robert Enos Benjamin.....	L 1.....	Central City
Rice, Walter William.....	As.....	Amherst
Rich, Lysle Stephen.....	Law 2.....	Judsonia, Ark.
Richards, Bessie Ashby.....	L 4.....	Hebron
Richards, Edward Erle.....	Law 2.....	Oregon, Mo.
Richards, Grace.....	T 2.....	Ashland
Richards, Margie.....	Lu.....	Lincoln
Richards, Williamina Alice.....	L 2.....	Onawa, Ia.
Richards, William Cook.....	Med. u.....	Lincoln
Richardson, Mary Cornelia.....	I 1. A 2.....	Lincoln
Richardson, Norma Elizabeth.....	L 1.....	Red Cloud
Richey, Charles Reen.....	A 3.....	Omaha
Richey, Justus Livingston.....	L 4.....	Plattsmouth
Rickly, Ruby Ray.....	S.....	Omaha
Riddell, Florence Edna.....	L 3.....	Strawberry Point, Ia.
Riggs, George Burton.....	A 2.....	Shubert
Rihu, Katherine Anna.....	S.....	Dalton
Rihu, Lena Louise.....	S.....	Dalton
Riker, Sylvanus Hartsel.....	L 1.....	York
Riley, Charles Lewis.....	Med. u.....	Wisner
Rinaker, Carrie.....	L 1.....	Beatrice
Rinderspacher, Carl Otto.....	I 2.....	Hastings
Rinehart, Ruth.....	L 1.....	Omaha
Ring, Penelope Patch.....	Lu.....	Lincoln
Rinker, Jay Guy.....	P 1.....	Lincoln
Rippey, John Raymond.....	I 1.....	Lincoln
Risdon, Sarah.....	M.....	Lincoln
Risser, Hulda.....	M.....	Wisner
Ritchey, Hazel.....	M.....	Lincoln
Ritchie, George Edgar.....	A 3.....	Rising City
Ritchie, William, Jr.....	Lu.....	Bridgeport
Ritchie, Ruth Harriet.....	A 1.....	Seward
Rivett, Paul Sheldon.....	L 1.....	Lincoln
Rix, Ernest Alfred.....	I 2.....	Fort Calhoun
Roach, Bertha Alice.....	L 2.....	Lincoln
Roadifer, Paul Erastus.....	Law 3.....	Logan, Ia.
Robbins, Edith Lucile.....	G.....	Ord
Robbins, John.....	Iu.....	Miller
Robinson, Jay.....	A 1.....	Poole
Roberts, Arthur Lester.....	A 1.....	Joy
Roberts, Blanche.....	M.....	Lincoln
Roberts, Edith.....	M.....	Lincoln
Roberts, Herbert Haven.....	Art.....	Lincoln
Roberts, John William.....	G.....	Alma
Roberts, Lee.....	L 1.....	Friend
Roberts, Roy Allan.....	M.....	Lincoln
Roberts, Theresa Avis.....	T 2.....	Omaha
Robertson, Eva Margaret.....	M.....	Madison
Robertson, Guy Allan.....	I 2.....	Omaha
Robertson, Henry Ahren.....	As.....	Mason City
Robertson, Hubert Carter.....	L 4. Law 1.....	Omaha
Robertson, Loren Cleveland.....	A 3.....	Iota, Ia.
Robertson, Mary Edna.....	S.....	Dakota City
Robertson, William Ainsworth.....	Law 3.....	Plattsmouth
Robey, Ora Gertrude.....	Lu.....	Rising City
Robins, Rhoda.....	S.....	Streator, Ill.
Robinson, Delia Mary.....	Art. Lu.....	Waterloo
Robinson, E. Temple.....	L 1.....	Waterloo
Robinson, Sylvester.....	I 2.....	Throcka, Kans.
Rodekahr, Louis Henry.....	As.....	Battle Creek

Rodekohr, Otto August.....	As	Battle Creek
Rodman, Blanche Elizabeth.....	Lu, S.	Potter
Rodman, Hettie.....	T 1	Blair
Roeca, Rosa.....	M	Lincoln
Roemsnich, Arthur Wilhelm.....	As	Sutton
Roen, Paul Brandt.....	L 1	Columbus
Rogers, David Miles.....	L 1	Randolph
Rogers, Dorothy.....	M	Lincoln
Rogge, Willis.....	A 2	Sterling
Rohde, Frank Edwin.....	I 2	Lincoln
Rohman, Carl Philip.....	Law 1	Lincoln
Rohman, Essie.....	M	Lincoln
Rohrbaugh, Grace.....	L 2	Omaha
Rohwer, Carl.....	I 1	Fort Calhoun
Rokahr, Elsie Katherine.....	T 3	Lincoln
Rollings, Hattie Elizabeth.....	L 2	Lincoln
Rollings, Winnie Fay.....	S	Lincoln
Rolofson, Lawrence Owen.....	As	Lincoln
Rolofson, Pearl.....	S	Lincoln
Romans, Robert F.....	Law 2	Denison, Ia.
Rood, Mary.....	Tu	Omaha
Roosa, Hermena.....	M	Lincoln
Root, Elmer Alpha.....	I 1	Plattsmouth
Rose, Genevieve.....	M	Lincoln
Rosenbaum, Harold.....	M	Howard
Rosenbaum, Ray.....	A 3	Kennard
Rosenberg, Vera.....	M	Lexington
Rosenberg, Victor William.....	A 1	Maxwell
Rosencrants, Fay Harry.....	I 2	Cozad
Ross, Henry William.....	As	Stockholm
Rost, Clayton Ord.....	T 2	Orchard
Roth, Bruce.....	As	Tekamah
Roth, Florence Amelia.....	T 4, S.	Lincoln
Rothwell, Alice Marie.....	L 3	Lincoln
Rotruck, Pearl.....	M	Lincoln
Rowe, Ethel Inez.....	M	David City
Rowell, Eugene Clark.....	Lu, S.	College View
Rowell, Winifred Peebles.....	G	College View
Royce, Ella.....	S, Art.	Lincoln
Rubendall, Ward Matter.....	L 1	Madison
Rudersdorf, Laura Mae.....	S	South Omaha
Ruliffson, Myron Seldon.....	A 2	Lincoln
Rumer, Frank Alexander.....	Lu	Alliance
Runner, Joseph James.....	G	Lincoln
Rupert, Walter James.....	I 1	Broken Bow
Rush, Florence Frances.....	L 1	Omaha
Rush, Madeane.....	M	Lincoln
Rushia, Jewel P.....	I 1	Milburn, Wyo.
Rushton, George Howard.....	L 2	Omaha
Rusk, Hester Mary.....	L 1	St. Joseph, Mo.
Rusk, Nina Louise.....	L 2	St. Joseph, Mo.
Russell, Donnell Lauren.....	Law 2	Lincoln
Russell, Harriet Jane.....	T 2	DeWitt
Russell, Letta.....	M	Lincoln
Russell, Richard Allen.....	L 2	Lincoln
Rustin, Leora A.....	Lu	Lincoln
Rutledge, Carson Alexander.....	T 2	Lincoln
Rutledge, Edward Markwood.....	L 4, S.	Lincoln
Rutledge, Ida L.....	S	Lincoln
Ryan, Grace.....	Lu	Neligh
Ryan, Jacob Arthur.....	I 3	North Platte
Ryan, Matthew William.....	S	Wymore

Ryan, Sarah A.....	G	Wilber
Rydberg, Jennie Christina.....	Art	Stromsburg
Rymal, Tammie Francenna.....	Lu. S.	Lincoln
Rymer, Hattie Missouri.....	T 1	Lincoln
Sadilek, Walter Byron.....	L 2	Wilber
Safford, Jessie Frances.....	T 3	Lincoln
Salisbury, Grace Murray.....	L 2	Lincoln
Salmon, Mabel Colby.....	L 2	Omaha
Samuelson, Arvid.....	M	Ceresco
Sanders, Lena Leona.....	Lu	Stockwell
Sanford, Josephine.....	Lu. M.	Lincoln
Saville, Elsie Clarabel.....	Lu. M.	Ansley
Saville, Jay Dana.....	Iu. M.	Ansley
Saul, Ralph Stanley.....	A 3	Superior
Saxton, Mablon.....	M	Abriendo, Colo.
Sayer, Joseph Henry.....	Med. 4	Lincoln
Scarborough, Ray James.....	L 4, M.	Lincoln
Schaal, Emma.....	Lu	Lincoln
Scheer, Julius Paul.....	As	Chapman
Scheibel, Herbert Henry.....	I 1	Campbell
Schenck, Francis Joseph.....	Ms 2	Fairbury
Schiller, Harry Edmund.....	L 1	Central City
Schlapf, Daniel Fred.....	As	Murdock
Schlickbernd, August.....	As	Beemer
Schmidt, August Carl.....	L 3	Lincoln
Schmidt, Herbert.....	M	Lincoln
Schmidt, Hugo George.....	L 3	Lincoln
Schmidt, Nelda A.....	Art. L 3	Lincoln
Schneider, Ernest.....	A 2	Poole
Schneider, Myrta M.....	Tu	Omaha
Schnoor, Arthur Theodore.....	As	Emerald
Schobert, Benjamin Lyman.....	A 2	Papillion
Schock, George Edgar.....	I 1	Falls City
Schoenbeck, Walter Oscar.....	A 2	Odell
Schofield, Mary Anne.....	Lu, S.	Lincoln
Scholz, Carl.....	As	Osceola
Scholz, Martin.....	As	Osceola
Schooler, Adeline Catherine.....	L 1	Carthage, Mo.
Schramm, Eck Frank.....	Law 1	Lincoln
Schrepf, Edith Irene.....	A 2	Lincoln
Schroeder, Fred.....	M	Eustis
Schulte, Mary Anna.....	T 1	Elgin
Schulte, Regina Bernardine.....	T 1	Elgin
Schulte, William Charles.....	A 3	Elgin
Schultz, Adeline Louise.....	L 1	Tobias
Schultz, Arthur Emanuel.....	A 1	Elgin
Schumacher, Herman Joseph.....	L 1	Humphrey
Schuppert, William Louis.....	G	Madison, Wis.
Schwake, Ella Irene.....	L 3	Nebraska City
Schwager, Lewis Emil.....	A 2	Fort Calloun
Schwind, Helen Mary.....	L 1	Lincoln
Scotney, John Aaron, Jr.....	L 3	Belle Fourche, S. D.
Scott, Alice Lillian.....	Lu	Lincoln
Scott, Charles.....	M	Decatur, Kans.
Scott, Ethel Augusta.....	L 1	Kearney
Scott, Frank Waldo.....	Med. 3	Omaha
Scott, Henry Miller.....	L 4	Lincoln
Scott, Maria.....	M	Ashland
Scott, Robert Douglas.....	G	Lincoln
Seoville, Myrtle May.....	S	Hartington
Seabrook, Dorothy Mark.....	G	University Place
Searle, Marie.....	M	Lincoln

Searle, Rector.....	M	Lincoln
Seaton, Lawrence Froyd.....	I 2.....	Lyons
Seibert, Edward Francis.....	Med. u.....	Friend
Seidel, Caroline Pauline.....	S, T 4.....	Lincoln
Seidel, Paul.....	M.....	Lincoln
Seitz, Myrtle Grace.....	Med. 1.....	Lincoln
Seki, Torae.....	Au.....	Japan
Sell, Albert Emil.....	As.....	Milford
Selleck, John Kent.....	I 1.....	Lincoln
Selleck, Marjorie Cornelia.....	L 1.....	Lincoln
Sellon, George Irving.....	Med. 1.....	Cumberland, Wyo.
Setz, Glenn Durham.....	Lu.....	Lincoln
Severin, Richard Otto.....	S, Lu.....	Lincoln
Seykora, Joseph James.....	Ms 2.....	South Omaha
Seymour, Elizabeth Putnam.....	T 1.....	Lincoln
Shaffer, Elizabeth Mary.....	L 4, S.....	David City
Shaffer, Loyd Paul.....	I 2.....	Falls City
Shallenberger, Grace Pauline.....	L 3, M.....	Alma
Shambagh, Nelly.....	M.....	Superior
Shanafelt, Marjorie.....	Lu.....	Lincoln
Shank, John D.....	I 1.....	Superior
Sharpless, Emma Idaline.....	Art, Lu.....	Ansley
Shary, Emanuel Harry.....	Law 1.....	Wilber
Sheaff, Howard Martin.....	L 2.....	Hastings
Shearer, Clarice.....	M.....	Denver, Colo.
Shedd, Claude Kedzie.....	I 4, G.....	Loomis
Shedd, Helen Bernice.....	M.....	Ashland
Sheehan, Elizabeth.....	M.....	Columbus
Sheely, Clyde William.....	I 1.....	Seward
Sheffield, Maude Marie.....	Art.....	Lincoln
Sheldon, Addison Erwin.....	G.....	Lincoln
Sheldon, Lawson.....	M.....	Lincoln
Sheldon, Mary.....	M.....	Lincoln
Shellman, Amy Florence.....	L 4, S.....	Lincoln
Sherman, Clara D.....	S.....	Lincoln
Sherman, Hobart Granville.....	S.....	Lincoln
Sherman, James Guy.....	Med. u.....	Albion, Mich.
Shields, Georgia Dell.....	Art, I 1.....	Holdrege
Shields, Roland Delos.....	Law 1.....	Omaha
Shipp, Albert DeWitt.....	As.....	Hay Springs
Shires, Clara April.....	Lu.....	Mead
Shively, Amy.....	S.....	Lincoln
Shively, Carl.....	L 2.....	Nelson
Shoemaker, Clifford C.....	Law 3.....	DeWitt
Sholes, Helen Elizabeth.....	L 2.....	Omaha
Shonka, Sylvester Vaclar.....	Law 2.....	Able
Short, Mamie Frances.....	S.....	Lincoln
Shouffer, Edward Everett.....	L 4.....	Syracuse
Shugart, Nettie Wills.....	G.....	Lincoln
Shurtleff, Grace.....	M.....	South Auburn
Siemsen, Rudolph George.....	As.....	Memphis
Sill, Ralph Burk.....	I 1.....	Moorefield
Simmons, Mabel Helen.....	L 1, M.....	York
Simms, John Shaffer.....	I 4, Med. 2.....	Alma
Simons, Verne.....	A 1.....	Albion
Simons, Wilber Henry.....	S.....	Table Rock
Simpson, Bryant Robert.....	Med. 3.....	Lincoln
Sims, Joseph Forest.....	I 1.....	Hastings
Sipe, Paul Revere.....	A 1.....	Lincoln
Sinamark, Andrew.....	I 2.....	Fremont
Sine, James.....	M.....	Lincoln
Sine, Landreth Ross.....	M.....	Lincoln

Sindt, Henry.....	A 1.....	Naponee
Sindt, Karl.....	A 1.....	Naponee
Sjogren, Oscar Warner.....	A 3.....	Funk
Slade, Bartlett Paine.....	L 1.....	Lincoln
Slade, Clara Mansfield.....	S.....	Lincoln
Slagle, Earl Fritz.....	I 2, S.....	South Auburn
Slater, Harold Charles.....	A 1.....	Lincoln
Slaughter, Samuel Charles.....	I 3.....	Omaha
Sleeper, Maude.....	S.....	Lincoln
Sluyter, Charles Leroy.....	I 1.....	Clay Center
Smart, Marie Josephine.....	I 1.....	Wymore
Smith, Alice Anna.....	S.....	Lincoln
Smith, Archibald Manley.....	Law 3.....	Lincoln
Smith, Arthur Andrew.....	S Med. 1.....	Lincoln
Smith, Carlos Oliver.....	I 2.....	University Place
Smith, Clara.....	M. A 1.....	Nelson
Smith, Clara Lotspiech.....	Tu.....	University Place
Smith, Don Frank.....	I 3.....	Kearney
Smith, Ernest Henry.....	I 3.....	Scottsbluff
Smith, Floyd Cornelius.....	I 2.....	Fairfield
Smith, Franklin Perry.....	Lu.....	Fremont
Smith, Harriet D.....	M.....	Chicago, Ill.
Smith, Harry Fisher.....	I 1.....	Lexington
Smith, James Ray.....	I 4.....	Carleton
Smith, John Emil.....	As.....	Mead
Smith, Leila Alice.....	T 1.....	Lincoln
Smith, Lloyd Stanford.....	L 1.....	Omaha
Smith, Luther Cochran.....	Law 1.....	Overton
Smith, Marie.....	M.....	Elmwood
Smith, Mary.....	M.....	University Place
Smith, Mary Pansy.....	M.....	Palmyra
Smith, Nolle R.....	I 2.....	Harrisburg
Smith, Oliver Henry.....	S.....	Overton
Smith, Paul Edwin.....	I 2.....	Lincoln
Smith, Pearl.....	M.....	Montezuma, Ia.
Smith, Philip Thomas.....	As.....	Aurora
Smith, Phyllis May.....	S.....	Havelock
Smith, Ralph Emerson.....	I 1.....	Lexington
Smith, Roderick Mason.....	I 1, M.....	Shelton
Smith, Russell Cushman.....	I 1.....	Carleton
Smith, Sara E. S.....	Tu.....	Omaha
Smith, Sidney A.....	A 2.....	Charlotte, Mich.
Smith, Victor Bunnell.....	L 2.....	Fremont
Snapp, Cecile Maud.....	T 2.....	Lincoln
Snell, Hazel Frost.....	L 2.....	Lincoln
Snyder, Ethel Leith.....	T 1, S.....	Fremont
Snyder, George Henry.....	I 1.....	Fremont
Snyder, Helen Jane.....	T 4, M.....	Lincoln
Snyder, Mabel May.....	Lu, M.....	O'Neill
Snyder, Mabel Musetta.....	L 4.....	Omaha
Snyder, Ray Hamilton.....	As.....	Fremont
Soderberg, Clyde Payne.....	I 3.....	Sutton
Sohmer, Marquis.....	M.....	Lincoln
Sommer, Helen Lillian.....	L 2, M.....	Omaha
Sorensen, Charles Frederick.....	A 1.....	Dannebrog
Sothman, Alma.....	S.....	Grand Island
Soukup, Frank S.....	A 2.....	Fremont
Southwick, Lola.....	Art, Lu.....	Lincoln
Spacht, John Roy.....	I 2.....	Alliance
Spader, Albin.....	A 1.....	Waverly
Spalding, Mary Louise.....	Lu.....	Lincoln
Sparks, Joseph.....	Lu.....	Lincoln

Sparks, Lizzie Kimball.....	Lu	Lincoln
Spaulding, Earle Rowe.....	I 1.....	Gothenburg
Spaulding, James Benedict.....	T 1.....	Wahoo
Spaulding, Thankful Elizabeth.....	T 2.....	Wahoo
Spease, Perry Martin.....	T 3.....	Crete
Speedie, John.....	S	Benson
Speich, Grace Virginia.....	Tu	Sutton
Spellmeyer, Carl Frederick.....	I 3.....	Aurora
Speltz, Alma Ionia.....	L 2.....	Lincoln
Spencer, Donell Morton.....	As	Litchfield
Spencer, Hugh Alvin.....	P 2.....	Barneston
Spencer, Laverne Ray.....	A 1.....	Gibbon
Spencer, Walter Arthur.....	I 3, S.....	Gibbon
Sperling, Blanche Kathryn.....	T 3.....	Chadron
Spiegel, Edith.....	L 2.....	Albion
Sprague, Annie Maxon.....	T 2.....	Lincoln
Spute, Alfred.....	As	Brunswick
Spute, August Victor.....	As	Brunswick
Squires, David Henry.....	I 2.....	Ord
Srajaus, Edward.....	As	Crete
Staab, Arthur Levi.....	As	Berwyn
Staab, George Enoch.....	As	Berwyn
Stack, Agnes.....	S	Edgemont, S. D.
Stacks, Ernest Alexander.....	I 1.....	South Omaha
Stahl, John Lloyd.....	L 4.....	Lincoln
Stahl, Vena Eliza.....	M, L 1.....	Liberty
Stalder, Minnie Augusta.....	Lu, M.....	Salem
Stambaugh, Z.....	Lu	Omaha
Stamm, Adella.....	M	Lincoln
Stanciliff, Arthur Dale.....	I 2, M.....	Lincoln
Stanley, Harry Cadet.....	L 1.....	Chicago, Ill.
Stansbury, Eugene Milton.....	Med. 4.....	Omaha
Stanton, Hazel Martha.....	T 1.....	Stromsburg
Stanton, Martin Francis.....	As	O'Neill
Staples, Irma Ethel.....	L 2.....	Omaha
Starr, Hazel Esther.....	L 2.....	Lincoln
Starr, Clara Marilla.....	S	Pawnee City
Starr, Verne Orriss.....	L 1.....	Lincoln
Stasenka, Charles Robert.....	Law 1.....	Wilber
Stastny, Olga Frances.....	Iu	Wilber
Stauffer, Carroll Orville.....	Law 2.....	Oakland
St. Clair, Margaret.....	M	Concordia, Kans.
Stearns, Robert James.....	Med. 3.....	Grand Island
Steckelberg, Emma Charlotte.....	S, L 4.....	Plymouth
Steckelberg, William Duncan John.....	I 4.....	Lincoln
Steele, Emma.....	M	Lincoln
Steele, Cora Anne.....	Iu	Lincoln
Steen, Mona.....	M	Scottsbluff
Steenburg, Donald Benjamin.....	I 2.....	Aurora
Stegner, Sarah Louise.....	T 3.....	Omaha
Stein, Frances Ella.....	Lu	Lincoln
Steiner, Helen Margarette.....	L 1.....	Lincoln
Steinert, George.....	As	Irvington
Steinhart, Morton.....	L 1.....	Nebraska City
Steininger, Vera Margaret.....	S	Lincoln
Steininger, Verna Katherine.....	S	Lincoln
Stephen, Fred Adam.....	A 1.....	Madison
Stephen, Mabel.....	M	Omaha
Stephenson, Annie Eliza.....	Lu	Lincoln
Stephenson, Ray.....	A 2.....	Clay Center
Steininger, Herbert.....	M	Lincoln
Stetina, Frank.....	As	Exeter

Steven, Edna Bertha.....	L 2.....	Shelton
Stevens, Amy Virginia.....	Lu	Lincoln
Stevenson, Albert Eldon.....	S	Wood River
Stevenson, Byrle Blanchard.....	Law 3.....	Lincoln
Stevenson, Hugh Seelye.....	I 4.....	Lincoln
Stevenson, Janet Elizabeth.....	L 1.....	Lincoln
Stevenson, Marguerite Blanchard.....	T 3.....	Lincoln
Stewart, Aura Day.....	M, Art.....	Palmyra
Stewart, Branson Washburn.....	Law 1.....	Lincoln
Stewart, Charles Lester.....	As	Osceola
Stewart, Charles Roy.....	Med. 3.....	Nickerson
Stewart, Grace Darling.....	Lu	Seward
Stewart, Marcia Lucinda.....	Lu	Lincoln
Stewart, Marguerite Theresa.....	T 1.....	Blair
Stewart, Maxwell.....	As	Axtell
Stibal, John, Jr.....	I 1.....	Richland
Stilson, Earl B.....	Iu	Atkinson
Stimson, James Miller.....	S	Scribner
Stinton, Vallia.....	M	Geneva
Stoakes, Charles Stewart, M.D.....	G	Reinbeck, Ia.
Stock, William Frederick.....	As	Murdock
Stockdale, Verne Katherine.....	L 4, S.....	Omaha
Stocker, Thomas Richard Parson.....	L 4, Law 1.....	Lincoln
Stoddard, Charles Elmer.....	I 1.....	Omaha
Stoll, Carl George.....	Law 1.....	Beatrice
Stombaugh, Edith.....	T 1.....	Lincoln
Stone, Audra.....	Lu	Lincoln
Stone, Leah Rebecca.....	L 2.....	Lincoln
Stonecypther, Mazella.....	A 3.....	Edison
Stoner, Samuel Cheslie.....	L 4, Law 1.....	Osceola
Stoner, Walter Welles.....	G	York
Storm, Robert Ernst.....	Iu	Oakland
Stough, Dale Perry.....	Law 1.....	Creston, Ia.
Stout, Mecia.....	L 2.....	Lincoln
Stowell, Emerson.....	As	Ord
Stratford, Mary Zulah.....	T 2.....	Lincoln
Stratton, Lorena.....	M	Lincoln
Streitz, William M., Jr.....	A 1.....	Millard
Strickland, Vivian L.....	S	Geneva
Strickler, Addie.....	M	York
Strieter, Martin Ernst.....	I 3.....	Seward
Strope, William Wallace.....	As	Venus
Strom, Russell Rex.....	L 1.....	Hector, Minn.
Struve, Martin Louie.....	I 2.....	Blair
Stuart, Gerald Walsh.....	L 1.....	Lexington
Stuart, Wilfred Victor.....	I 1.....	Lexington
Studley, Mayme.....	M	Creston
Studley, Russell.....	M, A 2.....	Creston
Studt, John William.....	As	Scribner
Stuff, Freda Naomi.....	S	Lincoln
Stull, Dell Deronda.....	Law 3.....	Lincoln
Stults, Harry Littlefield.....	I 1.....	Lincoln
Sturdevant, Charles Francis.....	I 3.....	Western
Sturdevant, Lazelle Brantley.....	Med. 4.....	Atkinson
Sturdevant, Louise Mary.....	L 4, S.....	Weston
Sturdevant, Olivia Zoe.....	Tu, M.....	Atkinson
Sturdevant, Ralph Smith.....	Lu	Weston
Sturges, Paul Taylor.....	I 1.....	Sioux City, Ia.
Strumer, Fred Charles.....	I 2.....	Beatrice
Sturzenegger, Alfonso.....	Law 2.....	South Bend
Stutheit, George Mountain.....	As	Imperial
Sullivan, Alma Leona.....	I 1.....	Broken Bow

Sullivan, Erma.....	L 1.....	Broken Bow
Sullivan, John Joseph.....	I 1.....	Jackson
Sullivan, Mabel Gertrude.....	L 1.....	Lincoln
Sullivan, Mary.....	G.....	Omaha
Sumner, David Watkins.....	Med. u.....	Lincoln
Sumner, Lulu Tracy.....	Lu.....	Lincoln
Sumpter, Gertrude.....	M.....	Bothany
Sunderman, Otto.....	M.....	Lincoln
Sutter, Howard.....	I 2.....	Liberty
Sutter, Louis.....	A 2.....	Papillion
Sutton, William Austin.....	A 1.....	Alliance
Swan, Bula H.....	T 2.....	Fairmont
Swan, Merle Lind.....	T 2.....	Fairmont
Swanson, Archibald Carl Samuel.....	A 1.....	Aurora
Swanson, Charles Luther.....	I 2.....	Oakdale
Swanson, Edolph Vezen.....	A 2.....	Oakland
Swanson, Edwin Clarence.....	A 2.....	Stromsburg
Swanson, Effie.....	Lu, M.....	Aurora
Swanson, Esther Lillian.....	T 4, S.....	Oakdale
Swanson, Myrl Raymond.....	L 1.....	Aurora
Swanson, Oliver Milton.....	I 1.....	Genoa
Swanson, Swan Arthur.....	I 1.....	Holdrege
Sward, Erik Martin Paulus.....	Ved. 2.....	Oakland
Sward, Ernest J. C., M.D.....	Med. u.....	Lincoln
Swedberg, Alyse.....	M.....	Lincoln
Swedmeyer, William.....	M.....	Arapahoe
Swenk, Myron Harmon.....	G.....	Lincoln
Swenson, Miranda Powers.....	Lu.....	Lincoln
Swenson, Otto Frederick.....	I 2.....	Bertrand
Swenson, Samuel August.....	Med. 3.....	Omaha
Swezey, Emma Josephine.....	L 4.....	Lincoln
Swisher, William Irenus.....	S.....	Guide Rock
Switzer, Wayne Joseph.....	A 1.....	Weeping Water
Switzler, Robert Merideth.....	L 3.....	Omaha
Syford, Constance Miriam.....	L 4.....	Lincoln
Syford, Lester Corwin.....	Law 2.....	Lincoln
Tallon, Fred Devern.....	L 1.....	Tobias
Tate, John Torrence.....	I 3.....	Valentine
Tatum, Joseph Laurie.....	I 3.....	Nebraska City
Taylor, Calvin Hill.....	Law 2.....	Union
Taylor, Earle John.....	Iu.....	Tobias
Taylor, Elsie Belva.....	L 1, M.....	Union
Taylor, Harvey Tyndall.....	As.....	Valparaiso
Taylor, Herbert Solomon.....	I 2.....	Denver, Colo.
Taylor, Jean.....	M.....	Broken Bow
Taylor, Jesse Day.....	I 3, Med. 1.....	University Place
Taylor, Jettie Arnold.....	L 2.....	Denver, Colo.
Taylor, John Duncan.....	I 4.....	Lincoln
Taylor, Joseph Elbert.....	G.....	Crete
Taylor, Joseph Vincent.....	L 1.....	Marple
Taylor, Leonard Burt.....	A 1.....	Omaha
Taylor, Lewis Ray.....	I 1.....	South Omaha
Taylor, Loren Guy.....	P 1.....	Clay Center
Taylor, Tena.....	M.....	Broken Bow
Taylor, Willis Harvey.....	I 4, S, Med. 2.....	Villisca, Ia.
Teach, Charles Elden.....	G.....	University Place
Tedd, Ethel May.....	L 4, S.....	Lincoln
Teeter, Hazel Ferne.....	L 1.....	North Bend
Temple, Charles Edward.....	S, G.....	Lincoln
Temple, LeRoy Bates.....	L 2.....	Lexington
Templeton, Ford.....	A 1.....	Wahoo
Templeton, Maude.....	M.....	Wahoo

Templin, Charles Wesley.....	S	St. Paul
Templin, Ruth Evelyn.....	S	St. Paul
Tenopir, Adolf Albert.....	S, Law 3.....	Milligan
Tewell, James Leonard.....	I 2.....	Holdrege
Tewksbury, Nina Adelaide.....	T 3.....	Lincoln
Thelander, Victor Emanuel.....	As	Osceola
Thomas, Amos.....	Law 3.....	University Place
Thomas, George Joseph.....	L 3.....	University Place
Thomas, Gladys Elizabeth.....	L 2.....	Lincoln
Thomas, Hanna May.....	S	Lincoln
Thomas, Howard Franklin.....	I 1.....	Omaha
Thomas, James Floyd.....	Law 1.....	Republican City
Thomas, James Lloyd.....	I 4.....	Lincoln
Thomas, Maude.....	M	University Place
Thomas, Nova Elizabeth.....	L 1.....	Nelson
Thomas, Pearl.....	M	Lincoln
Thomas, Rachael Merle.....	T 1.....	Lincoln
Thomas, Rita.....		Nebraska City
Thomas, Rowland Paul.....	Lu	Omaha
Thompson, Albert Milton.....	Law 2.....	Holbrook
Thompson, Alice E.....	M	Lincoln
Thompson, Arthur Roy.....	As	Giltner
Thompson, Benjamin Harrison.....	I 1.....	Overton
Thompson, Clinton Adam.....	I 4.....	Lincoln
Thompson, Edith.....	M	University Place
Thompson, Harry Landis.....	P 1.....	West Point
Thompson, Hudson Bruner.....	As	West Point
Thompson, James Franklin.....	S	Arcadia
Thompson, John Pryce.....	A 3.....	Grand Island
Thompson, Leta.....	M	Stromsburg
Thompson, Lois Margaret.....	L 1.....	Lincoln
Thompson, Margaret Louise.....	L 1.....	McCook
Thompson, Mayone.....	L 2.....	Omaha
Thompson, Paul Dean.....	L 4.....	Lincoln
Thompson, Samuel Reed.....	L 1.....	Lincoln
Thompson, Theodore.....	M	Manning, Ia.
Thompson, Walter C.....	In	Neligh
Thompson, Warren Simpson.....	G	University Place
Thoms, Henry Louie.....	As	Dunbar
Thornburg, Bertha Wilhelmina.....	L 1.....	Lincoln
Thornburg, Charles Ernest.....	I 3.....	Beatrice
Thornburg, Hazel Syrena.....	L 1.....	Lincoln
Thorne, Corinne Della.....	L 2.....	Lincoln
Thorp, Clara Thelma.....	L 2, M.....	Burwell
Thurlow, George H.....	Med. u.....	Lincoln
Thurston, Willett Minor.....	I 1.....	Lincoln
Tibbets, Albert Burr.....	L 1.....	Hastings
Tibbets, Mary Ruth.....	L 1.....	Hastings
Tibbets, Raymond Marsh.....	Law 2.....	Hastings
Tienken, Gerhard William.....	A 1.....	Bonesteel, S. D.
Tietze, Earnest Elim.....	A 2.....	Holbrook
Tighe, Fred Conrad.....	As	Lincoln
Tillotson, Claude Raymond.....	I 4.....	Omaha
Timmerman, Ben Irving.....	As	Ord
Timmerman, Linna.....	As	Lincoln
Timmons, Otto Salathiel.....	As	Greenwood
Tindall, Ross Brooks.....	Law 1.....	Norfolk
Tingley, John Ulmern.....	Law 3.....	Lincoln
Tingley, Washington Ivern.....	L 1.....	Lincoln
Tinkham, Florence Eva.....	T 2.....	Lincoln
Tipton, Claude Jones.....	A 3.....	Seward
Tipton, Frank Benjamin.....	I 1.....	Seward

Tobiska, Joseph William, Jr.	L 1	Wilber
Todd, Bessie Walton	L 3	Maryville, Mo.
Todd, Florence Sheldon	I 2	Nehawka
Todd, Mrs. Laura M.	A 1	Lincoln
Toland, Blanche Viola	S	Lincoln
Tollefsen, Albert Bush	Law 1	Kearney
Tomek, Fred Benjamin	I 1	Lynch
Tomlinson, Charles, M.D.	G	Omaha
Toof, Clyde Burr	L 4	Aurora
Toomey, Ella	Lu	Spearfish, S. D.
Toomey, Maude	T 4	Lincoln
Toothaker, Leroy Arthur	L 1	Red Lodge, Mont.
Topacio, Teodulo	I 4, S	Imus Cavite, P. I.
Topping, Paul Swayne	Law 1	Nebraska City
Torbitt, Zoe Barnes	M	Bennet
Totten, Ina Belle	Iu	Lincoln
Totusek, Emil Alois	As	Clarkson
Tourtelot, Charles Victor	Lu	Sterling
Tracy, June	M	Lincoln
Tracy, Catherine	S	Greeley
Tracy, Margaret Loretto	S	Greeley
Traub, William Charles	Law 1	Gordon
Trautt, Ella Marie	S	Lincoln
Trebby, Norah	M	Moorefield
Tremain, Lurton Vassar	As	Malcolm
Tremain, Mary Adell	G	Lincoln
Trester, Lewis	M	Lincoln
Trester, Rachel	M	Lincoln
Trigg, Clarence Henry	A 1	Lincoln
Trigg, Emily	Art	Lincoln
Trimble, Thomas A.	Med. u.	Lincoln
Troyer, Robert	M	Lincoln
Troxel, Christabel	T 1	Lincoln
Trude, John Guiles	I 3	Beatrice
Truell, Grace Knowlton	T 1	Lincoln
Truman, Temple Virgil	T 4	Peru
Trumble, Thomas Andrew	Med. u.	Havelock
Trump, Earle D.	Law 2	Blue Springs
Trutna, John Jared	A 1	Wahoo
Tucker, James C.	I 3, Med. 1	Lincoln
Tucker, Mary Winifred	S, I 4 Med. 2	Lincoln
Tully, Bashie Beth	Art, T 2	Ord
Tully, Edith Elgin	A 1	Ord
Tunks, Glen Vern	M, L 1	Central City
Tupper, Oscar Winters	A 1	Riverton
Turner, Charles Henry	As	Reserve
Tweed, Ada Luella	M, Tu	Davenport
Tyner, Elton Lyle	A 2	Salem
Tyner, Willard Merle	A 2	Salem
Uldrich, Mollie Emley	Lu	Lincoln
Ullrich, Fred August	A 2	Princeton
Ullrich, Herman William	A 1	Princeton
Ulmann, Karl August	I 4, G	Lincoln
Ulrich, Charles Ferdinand	I 1	Stuart
Unland, Harry Lloyd	I 4	Lincoln
Upson, Arthur Thaddeus	I 3	Lincoln
Upton, Vera	M	Lincoln
Urban, Frank	A 2	Newboro
Urtula, Dalmacio	I 4	Calasiao, Pangasinan, P. I.
Vail, Carey Eugene	G	University Place
Vail, Nellie Antoinette	T 4	Lincoln
VanAndel, Maysel Marie	L 3	Lincoln

DIRECTORY OF STUDENTS

545

VanBerg, Ora Elmer.....	I 3.....	Aurora
VanCamp, Mabel Violet.....	T 3.....	Lincoln
VanCamp, Mary.....	S.....	Lincoln
VanCamp, Will K.....	I 1.....	South Omaha
VanDenberg, Hazel.....	Lu.....	Lincoln
Vanderveer, Orlando William.....	P 1.....	Lincoln
VanDusen, Dana Berge's.....	L 1.....	South Omaha
VanDusen, Harold Arnold.....	I 2.....	South Omaha
VanMiddleworth, Edith Adelle.....	S. G.....	University Place
VanOrsdel, Ralph Alexander.....	Law 2.....	Maxwell
VanSant, Ralph William.....	I 1.....	South Omaha
VanScyoc, Ora Leroy.....	L 2.....	Lincoln
Vanskivee, John.....	A 3.....	Davenport
Vant, Godfrey.....	M.....	Greenwood
VanThyl, Abbie.....	M.....	Raymond
VanWie, Emma.....	En. M.....	Waverly
Vasey, Harvey Elmer.....	I 1.....	Liberty
Vasey, Walter Artemus.....	L 1.....	Beatrice
Villanneva, Bonifacio.....	I 3.....	Batangas, P. I.
Villanneva, Vicente Pio.....	I 3.....	Batangas, P. I.
Villars, Harry Seward.....	I 3.....	Tecumseh
Vincent, Helen Maude.....	Lu.....	Lincoln
Vineyard, Julia Marie.....	Lu.....	Lincoln
Vining, Grace.....	M.....	Makaska, Kans.
Vivian, William Talbot.....	I 3, S.....	Lincoln
Vlasnik, George Lafayette.....	I 1.....	Niobrara
Voderberg, Helmeith Henry Max.....	I 2, M.....	Lincoln
Vogel, Percy Godfrey.....	A 2.....	Florence
Vollintine, Grace.....	Tu, S.....	Lincoln
Vollintine, James Louis.....	I 3.....	Lincoln
Vollstedt, Ellen Louise Catherine.....	T 1.....	Madison
VonChlen, Emil Richard.....	As.....	Chapman
Vorhees, Roy Webster.....	I 1.....	Lincoln
Votava, Joseph Thomas.....	Law 1.....	Edholm
Votiska, Charles.....	As.....	Fairmont
Vrana, Edward.....	Ms 1.....	Omaha
Waddell, James Clyde.....	Med. 3.....	Lincoln
Waddington, Clyde N.....	I 2.....	Beatrice
Waddle, Mary.....	S.....	Aurora
Wade, Ernest Henry.....	I 1.....	Blue Springs
Wagner, Kathryn Elizabeth.....	T 3.....	University Place
Wair, Lela Loren.....	3.....	Coleridge
Waka, Harold Robert.....	I 1.....	Genoa
Walcott, Oliver Marion.....	Law 2.....	Valentine
Waldo, Agnes Murray.....	T 1.....	South Omaha
Waldo, Margaret Ellen.....	T 1.....	South Omaha
Waldo, Ralph Ernest.....	Law 2.....	South Omaha
Walford, Roy Herbert.....	L 2.....	Bayard
Walker, Grace Isabel.....	L 1.....	Douglas
Walker, John Daniel.....	S.....	Lincoln
Walker, Waldo Webster.....	S.....	Clatonia
Walker, Leva Belle.....	G.....	Forest Grove, Ore.
Walkington, Ada Josephine.....	Lu.....	Cambridge
Wall, Grover.....	M.....	Panama
Wall, Pansy.....	M.....	Lincoln
Wall, Pearl.....	M.....	Lincoln
Wallace, Charlotte.....	Lu.....	Lincoln
Wallace, Edwin Ansel.....	Au.....	Lincoln
Wallace, Florence Ada.....	L 1.....	Lincoln
Wallace, George McCready.....	L 3.....	Omaha
Wallace, Harold Foster.....	I 3.....	University Place
Wallace, Laura Ellen.....	L 4, S.....	Lincoln

Wallengren, Delbert Ernest.....	I 2.....	Lincoln
Wallin, Mildred.....	M.....	Hildreth
Walsh, Catherine Agnes.....	S.....	Douglas
Walsh, Clarence Edward.....	I 2.....	Omaha
Walsh, Margaret Winifred.....	S.....	Douglas
Walsh, Stasia.....	S.....	Missouri Valley, Ia.
Walsh, Walter Wallace.....	I 4.....	Lincoln
Walt, Mary Ward.....	M.....	Lincoln
Walter, Frank Henry.....	I 2.....	David City
Walter, Ira Clarence.....	As.....	Eddyville
Walter, Lloyd DeWitt.....	I 1.....	Oxford
Walters, Otto Fasoldt.....	L 1.....	Columbus
Walther, Ida May.....	S.....	Havelock
Walton, Charles Newton.....	G.....	Wahoo
Walton, Martha.....	S.....	Lincoln
Walz, George Richard.....	A 1.....	Hartington
Wangerien, Carl Jacob.....	L 4, Law 1.....	York
Ward, Archie Walter.....	Med. 2.....	Stockville
Ward, Charlotte.....	M.....	Lincoln
Ward, Harrison M.....	As.....	Fairmont
Ward, John Leroy.....	I 2.....	Edgar
Ward, Lillian.....	M.....	Lincoln
Ward, Lydia Moore.....	G.....	Lincoln
Ware, Elmer Edwin.....	S.....	Independence, Kans.
Ware, Iris Mae.....	I 1.....	Spencer
Warner, Andrew Nathan.....	As.....	Waverly
Warner, Carl Adrian.....	A 1.....	Butte
Warner, Effie.....	M.....	Sabetha, Kans.
Warner, Emma Matilda.....	Au.....	Waverly
Warner, Esther.....	T 2.....	Lincoln
Warner, Kenneth Fisher.....	L 1.....	Lincoln
Warren, Allen Elijah.....	Law 1.....	University Place
Warren, Joseph Allen.....	G.....	University Place
Warren, Nina May.....	T 3.....	Lincoln
Warren, Weldon Harrison.....	I 2.....	Lincoln
Warthon, Charlotte.....	M.....	Lincoln
Warton, Alfa Frances.....	T 2.....	Superior
Washburn, Orilla Fidelia.....	T 1.....	Lakeside
Waters, Helen.....	M.....	Lincoln
Waters, Winnifred Bell.....	T 3.....	Stamford
Watson, Bertha.....	T 2.....	Albion
Watson, Frank Dolphin.....	I 2.....	Albion
Watson, John Cicero, Jr.....	L 1.....	Nebraska City
Watson, Julia Permelia.....	G.....	Lincoln
Watson, William Burton.....	I 2.....	Albion
Watt, Ann Oliphant.....	L 2.....	Lincoln
Watters, Farnham Elliott.....	L 4, Law 1.....	Bloomfield
Watters, Thomas Benton.....	L 1.....	Bloomfield
Watts, Minnie Laura.....	M.....	Broken Bow
Watts, Myrtle.....	M.....	Unadilla
Watts, Herbert.....	M.....	Broken Bow
Waugh, Helen Merriweather.....	L 4.....	Lincoln
Weaver, Alvah Linn.....	I 4, G.....	Schuyler
Weaver, Dorothea.....	L 3.....	Columbus
Weaver, Glenn Shellhorn.....	I 1.....	Concordia, Kans.
Weaver, John Ernst.....	I 4, S.....	Lincoln
Weaver, Louis William, Jr.....	I 1.....	Columbus
Weaverling, Ralph Eugene.....	Law 1.....	Beatrice
Webb, Nellie May.....	T 1, S.....	Lincoln
Webster, Chester Allen Arthur.....	A 2.....	Gibbon
Webster, Mary R.....	Art.....	Lincoln
Webster, Richard Orin.....	I 3.....	Lincoln

Weckbach, Wilhemina Agnes.....	L 3.....	Lincoln
Wedberg, Frank Wilner.....	As	Swedeburg
Wedge, Frederick Rhinaldo.....	Lu	Omaha
Weeks, Charles Rozell.....	G	Peru
Weems, Edna Mahala.....	L 4.....	Fullerton
Wehrman, Basil C.....	L 1.....	Nelson
Weinberg, Carolyn.....	M	Lincoln
Weinberger, George Sebastian.....	A 1.....	Madison
Weir, Eleanor.....	M	University Place
Weir, Hattie Leola.....	I 1.....	Lincoln
Weir, May.....	M	University Place
Weiss, Walter Clatus.....	L 2.....	Hebron
Welch, Leslie Andrew.....	L 1.....	Wayne
Welden, Floyd Handy.....	Med. u.....	Lexington
Wellensick, Anna Caroline.....	L 1.....	Syracuse
Wellensick, Arnold Herman.....	As	Cook
Wellensick, Ernest Casper.....	As	Cook
Weller, Frank Marshall.....	L 4, Law 1.....	Stella
Weller, Virgil William.....	As	Litchfield
Wells, Edith Elizabeth.....	I 1.....	Oakland
Wells, Ella.....	Lu, M.....	Mitchell
Wells, Ella Mabel.....	M	Lincoln
Wells, Emma Elizabeth.....	S	College View
Wells, Florence.....	L 1.....	Schuyler
Wells, Marta Ernestine.....	T 1.....	College View
Welsh, John Graveleigh.....	L 1.....	Omaha
Welton, Merton Merwin.....	Iu	Bridgeport
Welty, Gold Hubbard.....	A 3.....	Gresham
Wemple, Marietta.....	M	Lincoln
Woodall, Albert Franklin.....	As	Keene
Wentz, Harry Maurice.....	A 1.....	Lincoln
Wentz, Zella.....	G	Aurora
Werner, Harry Ernest.....	As	Friend
Werner, Hugh Burdette.....	L 2.....	Hebron
Werner, Otto E.....	As	Falls City
West, Kate.....	M	Fayes Center
Westerfield, Samuel Zaza.....	I 2.....	Lincoln
Westervelt, Alfred Edward.....	I 3, Med. 1.....	Omaha
Westervelt, Frances Carry.....	Lu	Lincoln
Westgate, Vernon Vilas.....	G	Lincoln
Weston, Helen.....	L 2.....	Beatrice
Weston, Sarah Fay.....	S	Ashland
Westover, George Arthur.....	Law 3.....	Lincoln
Wettling, Louis Eugene, Jr.....	S	Lincoln
Wettling, Mary.....	M	Lincoln
Weyant, Merle Ethel.....	A 2.....	Lincoln
Whaley, Annie.....	M	Edgemont
Whaley, Fannie Alice.....	I 1.....	Clarks
Whaley, Miner H., Jr.....	P 1.....	Clarks
Wheeler, Grace Margaret.....	L 3, S.....	Lincoln
Wheelock, Frank Oren.....	I 3.....	Beatrice
Whinery, Elmer Manning.....	Med. u.....	Colon
Whisler, Verna Charlotte.....	L 3.....	Lincoln
White, Corliss.....	M	Ashland
White, David George.....	I 2.....	Plattsmouth
White, Dorothea.....	L 1.....	Falls City
White, Earl William.....	I 2.....	Lincoln
White, Edward William.....	I 4.....	Plattsmouth
White, Edna.....	M	Lincoln
White, George Allen.....	A 3.....	St. Paul
White, George Wallace.....	I 1.....	Lincoln
White, George Washington.....	L 3.....	Lincoln

White, Harry Lee.....	I 2.....	Omaha
White, Vallery.....	I 3.....	Omaha
Whitehorn, May.....	Art.....	University Place
Whitham, Farris Eleanor.....	L 1.....	Fairfield
Whitmore, Marion Ely.....	L 2.....	Valley
Whitmore, Nell Pinkham.....	L 2.....	Valley
Whitmore, Ralph Brown.....	A 2.....	Elgin
Whitney, Charles Leroy.....	Law 2.....	Hartington
Whitney, Lloyd Edmund.....	Law 3.....	Lincoln
Whittier, Florence Amelia.....	L 2.....	Lincoln
Whittington, Viola Beile.....	S.....	Lincoln
Wicker, Charles H.....	Art.....	Hastings
Wickstrum, Agnes Margaret.....	Lu, M.....	Lincoln
Widaman, Clyde Franklin.....	P 1.....	Aurora
Widener, George William.....	L 1.....	Lincoln
Wiegert, Milton August.....	A 2.....	Beemer
Wigton, Harrison A., M.D.....	Med. u.....	Lincoln
Wilber, Fannie.....	M.....	Beatrice
Wilcox, Alice Belle.....	L 1.....	North Platte
Wilcox, Frank Luther.....	A 1.....	Arberville
Wilcox, Gertrude Alice.....	T 1.....	Lodgepole
Wilcox, Guy Emerson.....	A 2.....	Grant
Wilcox, Walter Edward.....	A 3.....	Arberville
Wild, Walter Henry.....	Med. u.....	Lincoln
Wildish, Frederic Newton.....	I 4.....	Aurora
Wildish, Reginald Myron.....	I 4, Med. 2.....	Aurora
Wildman, Blaine Cecil.....	Med. u.....	York
Wiles, Frank Storey.....	I 3.....	Syracuse
Wilhelmson, Emma.....	G.....	St. Paul
Wilke, Lotta.....	T 3.....	Lincoln
Wilkins, Frank Louis.....	A 2.....	DeWitt
Wilkins, George.....	Law u.....	Homer
Wilkinson, Richard Rees.....	Law 2.....	Lincoln
Williams, Bertha.....	M.....	Lincoln
Williams, Bessie Darlene.....	S.....	Horace
Williams, Carl Loring.....	A 2, S.....	Loup City
Williams, Cyrus Vance.....	L 1.....	Fairbury
Williams, Dean Frank.....	L 1.....	Lincoln
Williams, Delbert.....	Tu.....	College View
Williams, Edith Blanche.....	L 1.....	Lincoln
Williams, Edna Bertha.....	Art.....	Lincoln
Williams, Edward Glen.....	I 1.....	Grand Island
Williams, Guy Morris.....	I 2.....	Lincoln
Williams, Hattie Elmer.....	C.....	Lincoln
Williams, Ina Jeannette.....	T 3.....	Lincoln
Williams, Isabelle.....	L 3.....	Lincoln
Williams, Julia.....	I.....	Pine Bluff, Ark.
Williams, Lena May.....	T 2.....	Lincoln
Williams, Lulu Margaret.....	L 2.....	Lincoln
Williams, Mabel.....	Lu.....	Lincoln
Williams, Mary Agnes.....	T 4.....	McCook
Williams, Robert Leving.....	A 3.....	University Place
Williamson, Ethel Maud.....	L 3.....	Albion
Wills, Kathryn Underhill.....	T 2.....	Chadron
Willman, Alma.....	S.....	Martell
Wilson, Anna.....	M.....	Lincoln
Wilson, Beatrice Susan.....	T 3.....	Rushville
Wilson, Evelyn Nevill.....	I 1.....	Lincoln
Wilson, Glad Williams.....	Ms 1.....	Adams
Wilson, Gladys.....	Lu, S.....	Lincoln
Wilson, Lela Blair.....	L 4.....	Lincoln
Wilson, Lela Blair.....	L 3.....	Lincoln

Wilson, Emma.....	M	Lincoln
Wilson, Ernest Murlin.....	As	Raymond
Wilson, Ervin Fillmore.....	I 2.	Columbus
Wilson, Florence Sue.....	Lu, S.	Lincoln
Wilson, Helen.....	Art	Lincoln
Wilson, Ina Mabel.....	L 1.	Lincoln
Wilson, James Edgar.....	Med. u.	Bethany
Wilson, James Lee.....	L 4, S, Med. 2.	East Me
Wilson, Mabel Agnes.....	A 1.	Danville
Wilson, Margaret Linn.....	T 1.	University Place
Wilson, Mary Powell.....	T 1.	University Place
Wilson, Maud.....	Lu, S.	Lincoln
Wilson, Maude.....	M	Red Cloud
Wilson, Ouida.....	M	Pender
Wilson, Ralph.....	I 1.	Consbluff
Wilson, Ralph Parks.....	L 2.	Lincoln
Wilson, Sherman Ray.....	L 1.	Lincoln
Wilson, Sue.....	M	Grand View
Wilson, Vera Bee.....	A 1.	Raymond
Wilson, Wade Angus.....	L 3.	Spearfish, S. D.
Wiltse, Irma E.....	M	Randolph
Wiltse, Ouida.....	Lu M.	Pender
Wirrick, Marie Estelle.....	Lu	Lincoln
Wirt, Frederic Alfred.....	I 1.	Cook
Wisda, James Charles.....	I 2.	Ord
Wisen, Jennie.....	M	Sutton
Withers, Myra.....	L 4.	Lincoln
Wittle, Ella Cetonia.....	Lu, S.	Lincoln
Wittmann, Elizabeth Mary.....	M, Art, L 2.	Lincoln
Wittmann, Robert Joseph.....	A 1.	Lincoln
Witzke, Emil Charles.....	Lu	College View
Woehrl, Harry George.....	As	Dorchester
Wohlenberg, Ernest Theodore Fred.....	I 1.	Lincoln
Wohlenberg, Walter Jacob.....	I 3.	Lincoln
Wolcott, Mabel.....	T 2.	Central City
Wolesensky, Frank.....	I 2.	Crore
Wolf, Arthur Phillip.....	L 2.	Odell
Wolf, Frederic Adolph.....	S	Odell
Wolfanger, Lenora Olive.....	T 3.	Lincoln
Wolfe, Isabel Juanita.....	L 4, S.	Lincoln
Wolfe, Maude.....	M	Lyons, Kans.
Wolfe, Mary Emeline.....	L 2.	Lincoln
Wolford, Claude D.....	Ms 2.	Fairmont
Wolters, Harry Elias.....	S	Lincoln
Wolington, William Thomas.....	S, L 2.	Chadron
Wolz, Ida Mae.....	M	Fremont
Wood, Arthur Edwin.....	I 1, M.	Havelock
Wood, Doris.....	Art, L 1.	Omaha
Wood, Emily Bingham.....	Tu, S.	Omaha
Wood, Florence.....	M	Lincoln
Wood, Ira Leonard.....	I 1.	Omaha
Wood, Ivan Daley.....	I 2.	Fort Crook
Wood, James Ralph.....	I 1.	Omaha
Wood, Myrtle.....	M	Seamaner
Wood, Wilber Sylvester.....	L 4.	Lincoln
Woodard, Dean Sanford.....	I 2, Med. 1.	Aurora
Woodard, Emily Thompson.....	S	Lincoln
Woodard, John Albert.....	L 4, S.	Havelock
Woodard, Lucy Lee.....	L 4.	Lincoln
Woodburn, Mary Edith.....	S	Alma
Woodruff, Marguerite.....	M	Lincoln
Woods, Booker T.....	I 1.	Omaha

Woods, Emma Elizabeth.....	Lu	Lincoln
Woods, Ethel Jeannette.....	S	Lincoln
Woods, Eugenia.....	M	Lincoln
Woods, Grace Crum.....	Lu	Lincoln
Woods, Harland Clark.....	I 4	Weeping Water
Woods, James Edward.....	L 1	York
Woods, Lucy Truitt.....	T 4	Lincoln
Woods, Margaret Rebecca.....	Iu, A 1	Lincoln
Woods, Ruth.....	I 1	Lincoln
Woodward, Erle Bryce.....	G	Lincoln
Woodward, James Mac.....	I 1	Lincoln
Woodward, Tom Arthur.....	L 1	Beatrice
Woodworth, Blanche Corinne.....	L 1	Lincoln
Woodworth, Mattie Mae.....	L 4	Lincoln
Workman, Nettie D.....	M	Lincoln
Worley, Izola Dorothy.....	Lu, M	Alliance
Wort, Bernice.....	M	Lincoln
Wort, Julia Minot.....	G	Lincoln
Wortman, Arthur Vance.....	S	Ashland
Wright, Elizabeth.....	T 3	Fairmont
Wright, Harold Bearce.....	I 1	Hebron
Wright, Mrs. John B.....	Art	Lincoln
Wulschleger, William Adolf.....	S	University Place
Wunder, Henry Frederick.....	L 3, S	Lincoln
Wunner, Arthur Dearborn.....	I 2	Stanton
Wurth, Charles August.....	As	Florence
Wyatt, Merlin B., M.D.....	G	Omaha
Wyatt, Orrin Merlin.....	Med. 4	David City
Wyckoff, Helen L.....	Tu	Omaha
Wyman, Max Arthur.....	L 4	York
Yates, Paul Emmer.....	L 3	Lincoln
Yenkle, Oscar Raymond.....	A 3	Fairbury
Yeck, Flossie.....	M	Lincoln
Yeoman, Benjamin.....	M	College View
Yont, Etta.....	Art	Lincoln
Yont, Lily.....	M, Art	Lincoln
Yont, Rose.....	S, Art	Lincoln
Yost, Metta Kate.....	Iu, M	Harvard
Young, Benjamin Franklin.....	A 2	Craig
Young, Blaine Augustus.....	I 1	Malvern, Ia.
Young, Carl Stanley.....	A 2	Lincoln
Young, Charles E.....	I 2	Tecumseh
Young, Frances.....	M	Broken Bow
Young, Gary Garfield.....	L 2	Lodgepole
Young, Horace James.....	I 2	North Bend
Young, Inez.....	M	Lincoln
Young, Irving Snell.....	A 3	Havelock
Young, Lyle.....	Lu, M	Lincoln
Young, Oscar Harold.....	I 1	Oakland
Zabel, John Henry.....	As	Western
Zacek, Thomas Zachery.....	I 2	West Point
Zerling, Imad.....	M	Lead, S. D.
Ziegler, Ferdinand Jacob.....	As	Arlington
Zimmer, John Todd.....	I 3	Lincoln
Zimmer, Mary Virginia.....	L 4, S	Lincoln
Zimmerman, Frank LeRoy.....	I 4	Allion
Zimmerman, William Fred.....	As	Bancroft
Zuhke, Arthur William.....	As	Bancroft
Zumwinkel, Alwine Caroline.....	T 1	Utica
Zumwinkel, Louise Marie.....	Lu, M	Utica
Zwiebel, Lawrence John.....	As	Wood River

SUMMARY OF STUDENTS

	Men.	Women.	
The Graduate School.....	93	63	156
The College of Literature, Science and the Arts			
Fourth Year.....	64	52	
Third Year.....	49	54	
Second Year.....	74	102	
First Year.....	128	145	
Unclassified.....	43	205	
	358	558	916
The Industrial College			
Fourth Year.....	80	4	
Third Year.....	116	2	
Second Year.....	164	7	
First Year.....	256	20	
Unclassified.....	28	17	
The School of Agriculture.....	539	51	
The School of Mechanic Arts.....	8	..	
	1191	101	1292
Teachers College			
Fourth Year.....	8	38	
Third Year.....	5	61	
Second Year.....	5	63	
First Year.....	9	72	
Unclassified.....	7	34	
	34	268	302
The College of Law			
Third Year.....	41	1	
Second Year.....	51	..	
First Year.....	87	..	
Special.....	5	..	
	184	1	185
The College of Medicine			
Fourth Year.....	8	1	
Third Year.....	18	..	
Second Year.....	17	1	
First Year.....	21	1	
Combined Group (1st and 2d yrs. of 6-year course).....	47	..	
Five-Year Group (1st year).....	6	..	
The School of Pharmacy.....	12	1	
Unclassified.....	33	1	
	162	5	167
The School of Fine Arts.....	9	75	84
The University School of Music.....	79	481	560
The Summer Session.....	121	224	345
Grand Total (Men, 2231; Women, 1776).....			4007
Deduct for Repeated Names (Men, 154; Women, 242).....			396
Total Registration (Men, 2077; Women, 1534)...			3611

INDEX

Accredited Schools	46	Committees—	
Admission Requirements—		Of the Board of Regents....	12
Graduate College	78	Of the Senate	24
College of Arts and Sciences	99	Convocation	67
Teachers College	112	Coruhusker	67
College of Agriculture.....	177	Courses of Instruction—	
College of Engineering.....	149	Graduate College	215
College of Law.....	354	College of Arts and Sciences,	215
College of Medicine.....	387	College of Engineering.....	160
School of Pharmacy.....	443	College of Agriculture.....	188
Admission to the Bar.....	369	Teachers College	215
Administrative Officers	13	College of Law.....	363
Adult Special Students.....	50	College of Medicine.....	414
Advanced Standing—		School of Pharmacy.....	457
Undergraduate Colleges ..49,	112	School of Fine Arts.....	465
College of Law.....	355	School of Music.....	469
College of Medicine.....	391	Teachers College High School,	122
School of Pharmacy.....	450	Credit "Points"	
Advisers	62, 102, 125	45, 99, 112, 149, 178, 353, 387,	448
Agricultural Botany	188	Dairy Husbandry	201
Agricultural Chemistry	191	Debate (See Rhetoric)—	
Agricultural Education	192	Intercollegiate	61, 66, 320
Agricultural Experiment Station	471	Prizes	64
Agriculture, College of.....	169	Debaters, Intercollegiate	61, 66
Alphabetical List of Students..	493	Debating Board	61
Alumni Association—		Debating Club	64
The University	68	Degrees—	
The College of Medicine.....	406	Bachelor of Arts, 98, 102, 114,	115
American History	260	Bachelor of Laws.....	360
Anatomy	215, 414	Bachelor of Science. 98, 102,	115
Animal Husbandry	198	Master of Arts.....	82, 116
Applied Mechanics	166	Master of Laws.....	271
Astronomy and Meteorology....	216	Doctor of Medicine.....	392
Athletic Board	61	Graduate in Pharmacy.....	445, 451
Bacteriology and Pathology, 219,	416	Pharmaceutical Chemist	445
Biometry	276	Bachelor of Science in Phar-	
Board of Regents.....	12	macology	445
Bohemian (see Slavonic).....	328	Doctor of Philosophy.....	80
Botanical Seminar	64	Conferred in 1909.....	478
Botanical Survey of Nebraska..	67	Delinquency	53
Botany	190, 221	Delta Sigma Rho.....	66
Bryan Prize, William Jennings		Demonstration Courses	425
65, 373		Dermatology	439
Buildings	42	Dismissal	53
Bulletins	67	Domestic Science (See Home	
Chemical Journal Club.....	64	Economics)	212
Chemical Society	64	Dramatic Club	63
Chemistry	227	Education (See Teachers Col-	
Chorus	64, 279	lege)	115, 125
Christian Association	63	Education, History of.....	125
Civil Engineering	153, 160	Education, Agricultural	130
Clinical Departments	396	Education, Secondary	130
Clubs and Societies.....		Educational Psychology	127
63, 64, 65, 68, 83, 369,	406	Educational Theory and Practice	128
Collegiate Courses, Special. 131,	138	Electrical Engineering	162
Commencement Week	8	Elocution (See Rhetoric).....	320

- Engineering—
 Civil 152, 153, 160
 Electrical 152, 154, 162
 Mechanical 152, 156, 163
 Applied Mechanics 166
 Society of 64
 The Blue Print 67
 English Club 63
 English Language and Literature 234
 English Seminary 64
 Entomology 201, 240
 Entrance Requirements
 45, 50, 78, 99, 112, 148, 177, 354, 387, 446
 Equipment 43
 European History 267
 Examination, Special 55, 60
 Expenses 60
 Experiment Station, Agricultural 471
 Sub-Station at North Platte 475
 Faculties 25, 42
 Graduate College 70
 College of Arts and Sciences 84
 Teachers College 104
 Agriculture 169
 Engineering 144
 College of Law 350
 College of Medicine 375
 School of Pharmacy 443
 School of Fine Arts 464
 School of Music 467
 Farmers' Institutes 68
 Farm Mechanics 203
 Fees 56, 78, 103, 123, 150, 358, 407, 452, 465, 466, 470
 Fellows 83
 Fellowships and Scholarships 64, 83
 Fine Arts, School of 464
 Fine Arts Gallery 44
 Forestry 205
 French Language 335
 General Agricultural Group 184
 General Information 43
 Genito-Urinary Surgery 435
 Geography 244
 Geological Survey of Nebraska 67
 Geology 242
 Germanic Languages 248
 Glee and Mandolin Club 64
 Government of University 11
 Grades of Scholarship 53
 Graduate Club 83
 Graduate College 70
 Greek History and Literature 254
 Grounds and Buildings 43
 Groups of Studies 101, 114
 General 101, 114, 184, 187
 Technical 185
 Gynecology 437
 Herbarium 44
 High School Manual 46, 49, 67
 High Schools, Accredited 46
- History—
 American 260
 English-American 266
 European 267
 of Medicine 419
 History of Education 125
 Home Economics 187, 212
 Horticulture 210
 Hospitals 396
 Hygiene 287, 420
 Inspection of Secondary Schools 46, 130
 Internal Medicine 431
 Italian Language 335
 Journalism (See Rhetoric) 320
 Jurisprudence and Public Law 271
 Komenian Club 63
 Laboratories 43
 Lands 9
 Laryngology and Rhinology 438
 Latin 328
 Law College 350
 Leave of Absence 53
 Libraries—
 University 43
 College of Medicine 405
 College of Law 370
 Lincoln City 43
 Nebraska State Historical Society 43
 State 43
 Literary and Scientific Societies 63, 64
 Major Subjects 79, 102, 115
 Maps of University Campus 2, 3
 Mathematics 273
 Mechanical Engineering 152
 Medical Dispensary 396
 Medical Jurisprudence 441
 Medical Prizes 66
 Medical Societies 406
 Medicine, College of 375
 Mental and Nervous Diseases 440
 Meteorology 217
 Methods Courses for Teachers 138
 Microscope Club 64
 Military Science and Tactics 54, 277
 Museums 44
 Music—
 Department of 279
 School of 467
 Nebraskan, The Daily 67
 Nebraska Historical Society 44
 Obstetrics 435
 One-year Teachers' Courses 131
 Ophthalmology and Otology 438
 Organization and Government of the University 9
 Ornithology 346
 Orthopedic Surgery 435
 Palladian Society 63
 Pathology 416, 420
 Pediatrics 440

Pershing Rifles	64	Schools—	
Pharmacodynamics	279, 421	Agriculture	188
Pharmacy, School of	443	Fine Arts	464
Pharmacy and Pharmacology...	461	Music	467
Phi Alpha Tau	66	Pharmacy	443
Phi Beta Kappa	66	Sick, The care of the	62
Philosophy	280	Sigma Xi	66
Physical Education	55, 124, 288	Slavonic (See Bohemian)	338
Physics	293	Sociology	308
Physics Colloquium	64	Soils	196
Physiology	298, 422	Spanish Language	337
Political Economy and Commerce	299	Special Collegiate Courses...131,	138
Political Science and Sociology	308	Special Examinations	55
Practice and Practice Courts...	368	Special Students	50
Pre-medical Group	102	Standing of Students	53
Prizes and awards thereof—		Students, Alphabetical List....	493
Military Drill	65	Summary of	551
Athletic Trophies	65	Students' Handbook, The	67
Bryan, William Jennings....	65	Students' Mail	67
College of Law, First-Year		Students' Organizations	63
Studies	371	Students' Volunteer Movement..	63
Edward Thompson Com-		Summer Session	123
pany	372	Surgery	433
Legal Bibliography	372	Swedish Language	253
Oratory	372	Teachers' Bureau	68, 118
Excellence in Bohemian....	65	Teachers' Certificate	116, 124
Psychology	280	Teachers College	104
Publications	67	Teachers College High School..	122
Public Speaking (See Rhetoric).	320	Teachers' Courses—	
Regents, Board of	12	One-Year	131
Registration	51, 79	Semestral	138
Regulation of Student Affairs...	61	Technical Agricultural Group...	185
Religious Organizations	63	Therapeutics	422
Requirements for Advanced De-		Theta Kappa Nu	83, 373
grees	79, 80, 82	Unclassified Students	50
See also individual depart-		Union Society	63
ments.		University Extension	339
Requirements for Graduation...	54, 101, 114	University Girls' Club	67
Revenue of the University	9	University Journal	46, 67
Rhetoric	320	University Senate	20
Roman History and Literature...	328	University Studies, The	83
Romance Languages and Litera-		University Year	44
tures	335	Visitors to the University	68
Rooming Regulations	62	Weather Bureau, United States.	216
Scholars	83	Women's Parlors	69
Scholarships	64, 83	Workizer Rifles	64
		Y. M. C. A. and Y. W. C. A....	63
		Zoological Club	64
		Zoology	343, 423

18. 10. 2
Un H. 1.
Series XV

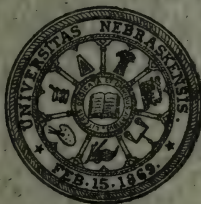
Number 9

Bulletin of The University of Nebraska

FORTIETH ANNUAL GENERAL CATALOG

CONTAINING

THE COMPLETE RECORD FOR 1909-1910
ANNOUNCEMENTS FOR 1910-1911



LINCOLN, NEBRASKA

MAY 1, 1910

The Bulletin of the University of Nebraska is published semi-monthly between January 1 and October 1 of each year by the University of Nebraska. Entered at the Post-Office at Lincoln, Nebraska, as second-class matter under Act of Congress July 16, 1894.

111
9400 9400
9400 9400

Bulletin of The University of Nebraska

FORTIETH ANNUAL GENERAL CATALOG

CONTAINING
THE COMPLETE RECORD FOR 1909-1910
ANNOUNCEMENTS FOR 1910-1911



Published by the University May 1, 1910. Entered at the Post-Office at Lincoln, Nebraska, as second-class matter under Act of Congress July 16, 1894. The Bulletin of the University of Nebraska is published semi-monthly between January 1 and October 1 of each year. One number each is issued for the Graduate College, the College of Arts and Sciences, the Teachers College, the College of Agriculture, the College of Engineering, the College of Law, the College of Medicine, and the Schools of Pharmacy, Art, Agriculture, and Music, and one number as the High School Manual. On request, any of these are furnished by the Registrar, Station A, Lincoln, Nebraska.

1910

JANUARY

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

FEBRUARY

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	..	..	..	..	..
..

MARCH

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..

APRIL

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
..

MAY

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..

JUNE

..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	..	..
..

JULY

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

AUGUST

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..

SEPTEMBER

..	..	..	1	2	3	..
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	..
..

OCTOBER

..	..	..	..	..	1	..
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

NOVEMBER

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..
..

DECEMBER

..	..	..	1	2	3	..
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..

1911

JANUARY

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..

FEBRUARY

..	..	1	2	3	4	..
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	..	..	..	..
..

MARCH

..	..	1	2	3	4	..
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..

APRIL*

..	..	..	..	..	1	..
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	..	..	..	..	..	..

MAY

..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..

JUNE†

..	..	..	1	2	3	..
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	..
..

JULY

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

AUGUST

..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..

SEPTEMBER‡

..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
..

OCTOBER

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..

NOVEMBER

..	..	1	2	3	4	..
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	..	..
..

DECEMBER

..	..	..	1	2	3	..
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..

* Easter (April 16). † Commencement, 1911 (June 15). ‡ Registration, 1911 (September 19).

CALENDAR FOR 1910-1911 OF ALL COLLEGES AND SCHOOLS
1910

September 5	Monday	School of Music, first term begins.
September 13	Tuesday	College of Medicine registration at Omaha.
September 14	Wednesday	College of Medicine, lectures begin at Omaha.
September 20	Tuesday	First Semester begins.
September 20-24	Tuesday-Saturday	Entrance examinations and registration.
September 24	Saturday, 10:30 a.m. 8 p. m.	Opening address, the Chancellor. University reception to all students.
* October 1	Saturday	Registration begins, first semester, Lincoln Dental College (associated with the University).
October 31	Monday	School of Agriculture, first term begins.
November 14	Monday	School of Music, second term begins.
November 23	Wednesday, 12 m.	Thanksgiving recess begins.
November 26	Saturday, 12 m.	Thanksgiving recess ends.
December 13	Tuesday	Regular Meeting of the Board of Regents (first Tuesday after the first Wednesday in December).
December 21	Wednesday, 6 p.m.	Christmas vacation begins.
1911		
January 3	Tuesday, 8 a.m.	Christmas vacation ends.
January 2	Monday	School of Agriculture, winter course begins.
Jan. 30-Feb. 3	Monday-Friday	First Semester examinations. Registration begins, second semester, Lincoln Dental College (associated with the University).
Jan. 31-Feb. 4	Tuesday-Sat.	Entrance examinations and registration for the second Semester.
January 30	Monday	School of Music, third term begins.
February 6	Monday	Second semester classes begin. School of Agriculture, second term begins.
February 14	Tuesday, 8 p.m.	Address before the Sigma Xi Society. Professor Edward Bradford Tichner, Cornell University.

* Students entering the course in Dentistry deficient in Chemistry should register September 21-24.

February 15	Wednesday	Charter Day. A holiday. Regular meeting of the Board of Regents.
April 10	Monday	School of Music, fourth term begins.
April 11	Tuesday	Regular meeting of the Board of Regents (the first Tuesday after the first Wednesday in April).
April 12	Wednesday, 6 p.m.	Easter recess begins.
April 19	Wednesday, 8 a.m.	Easter recess ends.
April 19	Wednesday	School of Agriculture, Principal's Reception.
April 21	Friday	School of Agriculture Commencement.
May 18	Thursday	College of Medicine Commencement.
June 1-7	Thursday-Wednesday	Second semester examinations.
June 7	Wednesday, 12 m.	Cadet encampment begins.
June 12	Monday	Cadet encampment ends.
June 12	Monday, 4 p.m.	Final recommendation by the faculties for degrees.

Commencement Week, 1911

June 10	Saturday, 8:00 p. m.	School of Music Annual Concert.
June 11	Sunday	Baccalaureate Sermon.
June 12	Monday, 8 p.m.	Oration before the Phi Beta Kappa Society.
June 13	Tuesday	Class Day. Annual meeting Board of Regents. Senior Class Play.
June 14	Wednesday 9 a.m. to 2 p.m. 4 p.m. 5 to 7 p.m.	Alumni Day. Class reunions and dinners. Business meeting and Alumni address. Agricultural Hall. Alumni Banquet. The University Farm.
June 15	Thursday 9 p.m. 10 a.m. 10:30 a. m. 8 p.m.	Alumni Cotillion. The Temple. Fortieth Annual Commencement. Commencement procession. Oration and conferring of degrees. Chancellor's reception.
September 12	Tuesday	College of Medicine registration at Omaha.
September 19	Tuesday	First Semester begins (1911-1912)

General Information Concerning the University

THE UNIVERSITY

Colleges and Schools of the University. The University of Nebraska comprises the following colleges and schools:

- The Graduate College
- The College of Arts and Sciences
- The Teachers College
- The College of Engineering
- The College of Agriculture and the School of Agriculture
- The College of Law
- The College of Medicine and the School of Pharmacy*
- The School of Fine Arts
- The Affiliated School of Music

Information as to the object and work of each of these colleges may be found by consulting the portion of the catalog devoted to each (see general table of contents).

In addition to the foregoing, the University Board of Regents is the governing board for the United States Agricultural Station for Nebraska and of the Experimental Substations at North Platte, Valentine and Scotts-bluff; it has entrusted to its care the superintendency of Farmers' Institutes; and the state has made the University professors of botany, chemistry, entomology, and geology ex-officio the state botanist, chemist, entomologist, and geologist, respectively.

Equipment of the University. The grounds and buildings of the University are distributed among three groups: (1) the original campus, situated in the capital city of Lincoln, with its main entrance at Eleventh and R streets, and containing sixteen buildings devoted to academic, law, medicine, and engineering instruction; (2) the University Farm, of three

* The Lincoln Dental College has a contract with the University under which the sciences necessary for its degree in Dentistry are taught at and by the University.

hundred and twenty acres, two and a half miles northeast of the original campus, containing nine buildings devoted to instruction in agriculture, home economics, and forestry; (3) the Medical College building in Omaha, at the corner of Twelfth and Pacific streets. The various libraries, laboratories, museums and collections of the University, available for use by students of the University, are described in those portions of the catalog devoted to the colleges or schools with whose work they are chiefly connected.

Government of the University. The chancellor, chosen by the board of regents, is the chief executive officer of the University; subject to the rules and orders of the board he has both pedagogical and business supervision over the University as a whole, over the various colleges, and over all the affairs and interests of the University. For each of the colleges within the University the board of regents elects a dean, to be the presiding officer of the faculty of his college and to perform such other duties as the board or the faculty of his college may require. The faculty of each college, subject to the chancellor and the board, determines upon all matters relative to the internal affairs of its college. A University senate, corresponding to the "general faculty" of other universities, and subject to the chancellor and board, determines questions which concern more than one college or the University as a whole. The deans, heads and acting heads of departments, and all members of the teaching force bearing the title of full professor are voting members of the senate.

Revenues of the University. By an amendment in 1899 of the original act of incorporation (1869), a tax of one mill upon the grand assessment roll of the state is provided for the support of the University. Added to this are incomes from land leases and sales under the land-grant act of Congress of 1862 for the benefit of the Industrial College,* and under the enabling act reserving seventy-two sections of land for the State University; interest on permanent fund investments; and the money grant by the act of Congress, commonly known as the Morrill Act, August, 1890, and by the Hatch Fund Act of 1887, and the Adams Act of 1906 supplemental thereto. In addition to this are the fees paid by students for various purposes.

History of the University. The University of Nebraska was founded by an act of the Nebraska legislature, effective February 15, 1869. The subsequent new constitution of 1875 recognized the University as thus established, placed it under the general control of an elected board of six

* In 1909, the Industrial college was erected into the colleges of Agriculture and Engineering by the state legislature; the same legislature authorized the creation of the Graduate college and the Teachers college.

regents, and made certain provisions as to its organization and administration. The next legislature (1877) revised the act of 1869 in accordance with the provisions of the new constitution. Under this revised act (Compiled Statutes of Nebraska, Chapter 87), as slightly amended by the legislature of 1908-1909,* the University is at present organized and operating.

* See foot-note on page 8.

THE BOARD OF REGENTS

Hon. Charles Sumner Allen, President

James Stuart Dales, Secretary

*HON FRANK LOUIS HALLER.....	Omaha
Term expires January, 1912	
HON. VICTOR GERALD LYFORD.....	Falls City
Term expires January, 1912	
HON. CHARLES BARNEY ANDERSON.....	Crete
Term expires January, 1914	
HON. GEORGE COUPLAND.....	Elgin
Term expires January, 1914	
HON. CHARLES SUMNER ALLEN.....	Lincoln
Term expires January, 1916	
HON. WILLIAM GUNN WHITMORE.....	Valley
Term expires January, 1916	

Committees of the Board of Regents

Executive—Messrs. Allen, Lyford, Whitmore.

Finance—Messrs. Lyford, Allen, Anderson.

Property—Messrs. Haller, Coupland, Anderson.

Industrial Education—Messrs. Whitmore, Haller, Coupland.

* Elected in 1909 to serve unexpired term.

OFFICERS OF ADMINISTRATION OF THE UNIVERSITY

SAMUEL AVERY, Ph. D., LL. D., Chancellor and President of the University Senate. Administration Hall 101.

*ELISHA BENJAMIN ANDREWS, D. D., LL. D., Chancellor Emeritus.

JAMES STUART DALES, M. Ph., Secretary of the Board of Regents and of the University Senate. Administration Hall 102.

MAX WESTERMANN, Assistant Secretary of the Board of Regents. Administration Hall 102.

EDGAR HARLAN CLARK, A. B., LL. B., Purchasing Agent. Administration Hall 202.

PHILIP JOHN HARRISON, A. B., Registrar and University Publisher. Administration Hall 103.

CHARLES EDMUND CHOWINS, M. E., Superintendent of Buildings, Grounds and Construction. Administration Hall 208.

ALBERT ALISON REED, A. B., Inspector of Accredited Schools. Administration Hall 203.

ALICE BAIRD ENSIGN, A. B., Adviser to Women. Administration Hall 104.

DR. INEZ PHILBRICK, Consulting Physician to Women.

SENATOR WILLIS PERIN, Superintendent of the University Farm.

WILLIAM PATTON SNYDER, A. B., M. S., Superintendent Experimental Substation at North Platte.

JAMES COWAN, Superintendent of Experimental Substation at Valentine.

FRITZ KNORR, B. Sc., Superintendent of Experimental Substation at Scottsbluff.

WILLIAM HILL DUNMAN, Landscape Gardener.

* Resigned as Chancellor, December, 1908.

E. R. SCHUSTER, Gardener of University Grounds in the City of Lincoln.

ALLEN REED BEACH, Chief Clerk at the University Farm.

WILLIAM WARNER MARSHALL, Executive Clerk of Nebraska Experiment Station.

JOHN GREEN, Engineer of Heating and Power Plant.

EDWARD EMIL ANDERSON, B.Sc., Assistant Superintendent of Construction.

WILLIAM WARD VOTAW, Assistant Superintendent in charge of Grounds, Buildings and Janitors.

FREDERICK ADDISON HOSFORD, Electrician.

AIMEE WILSON, Head of Stenographic Bureau.

VADA CLEGG VENNUM, Assistant Registrar School of Agriculture and Assistant Secretary to Faculty of College of Agriculture.

MAUDE RENNIE ORD, Secretary to the Chancellor.

ADOLPH MAX VOSS, A. B., Assistant Inspector of Accredited Schools.

EDWARD MARKWOOD RUTLEDGE, A. B., Assistant Registrar.

MAUD CHEUVRONT, Executive Clerk, Registrar's Office.

FLORENCE MCGAHEY, A. B., Assistant in Registrar's Office.

JULIET MITCHELL VORE, Assistant in Registrar's Office.

LEO JOSEPH LOGAN, Voucher Clerk, Secretary's Office.

T. A. WILLIAMS, Clerk in Secretary's Office.

LULU MENLOVE, Assistant in Stenographic Bureau.

HARLAN ALFRED EVANS, Assistant in Purchasing Agent's Office.

MARGARET HARKINSON VOLLBEHR, Stenographer in Teachers Bureau.

Of the Colleges

CHARLES EDWIN BESSEY, Ph. D., LL. D., Head Dean.

LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Dean of the Graduate College.

ELLERY WILLIAMS DAVIS, Ph. D., Dean of the College of Arts and Sciences.

EDGAR ALBERT BURNETT, B.Sc., Dean of the College of Agriculture, Director of Nebraska Experiment Stations.

CHARLES RUSS RICHARDS, M. E., M. M. E., Dean of the College of Engineering.

CHARLES FORDYCE, Ph. D., Dean of the Teachers College.

WILLIAM GRANGER HASTINGS, A. B., Dean of the College of Law.

ROBERT HENRY WOLCOTT, A. M., M. D., Dean of the College of Medicine.

HAROLD GIFFORD, B. S., M. D., Associate Dean of the College of Medicine.

Of the Schools

ALBERT EUGENE DAVISSON, A. B., Principal of the School of Agriculture.

SARA SHEWELL HAYDEN, Director of the School of Fine Arts.

RUFUS ASHLEY LYMAN, A. M., M. D., Director of the School of Pharmacy.

WILLIAM KIMBALL, Director of the University School of Music.

HERBERT BROWNELL, B. Sc., Superintendent of the Teachers College Training School.

ROBERT HART WATSON, Supervisor of Teachers College Training School.

ANNA MAY TIBBETS, A. M., Principal of the Teachers College Training School.

JULIA EMMELINE LOUGHRIDGE, Assistant Principal of the School of Agriculture.

Of the Library

WALTER KENDALL JEWETT, A. B., M. D., Librarian.

NELLIE JANE COMPTON, A. B., Assistant Librarian.

CLARA CRAIG, A. B., Reference Librarian.

MARIAN CINDERELLA BELL, A. B., B. L. S., Cataloger in the Library.

EDNA CLARA NOBLE, B. L., Library Assistant.

MABELLE BENTON BEATTIE, A. M., Library Assistant.

CLARA GLIDDEN, A. B., Library Assistant.

ADELAIDE C. ROOD, Library Assistant.

HARRIET WILSON, A. B., Library Assistant.

PEARLE BURR, Library Assistant.

ALTA M. KATES, Library Assistant.

Of the Museum

ERWIN HINCKLEY BARBOUR, Ph.D., Curator of the University Museum.

CARRIE ADELINE BARBOUR, B.Sc., Assistant Curator of the University Museum.

RAYMOND JOHN POOL, A.M., Curator of the Herbarium.

WILLIAM HARRISON LAMB, Assistant Curator of the Herbarium.

Of the Gymnasium

RAYMOND GUSTAVUS CLAPP, Ph.B., M.D., Director of the Men's Gymnasium.

INA ESTELLE GITTINGS, A.B., Director of the Women's Gymnasium.

THE UNIVERSITY SENATE

Officers

President, Samuel Avery, Ph. D., LL. D., Chancellor of the University.
Secretary, James Stuart Dales, Secretary of the Board of Regents.

Members

Deans Bessey, Burnett, Davis, Fordyce, Hastings, Richards, Sherman, Wolcott, and Associate Dean Gifford.

Head Professors Alway, Barber, Barbour, Bruner, Caldwell, Chatburn, Davisson, Fling, Fossler, Frye, Haecker, Howard, Lees, Luckey, Smith, Stout, Taylor, Wolfe, and Acting Head Professors Dales, Gain, Hrbkova and Virtue.

Professors Alexander, Almy, Bridges, Bouton, Candy, Chase, Clapp, Conant, Condra, Conklin, Crummer, Dann, Davis, Emerson, Engberg, Findley, Fogg, Grummann, Guenther, Hinman, Hoffman, Jensen, Jonas, McClanahan, Macrae, Maxey, Milroy, Montgomery, B. E. Moore, R. C. Moore, Morse, Owen, Phillips, Poynter, Pugsley, Robbins, Schalek, Skinner, Somers, Swezey, Towne, Treynor, Tuttle, Waite, Webster, Wilcox, Willard, Wilson.

Registrar Harrison, Adviser to Women Ensign, Librarian Jewett, Inspector Reed, Commandant Yates, Directors Hayden, Kimball, Lyman.

Standing Committees

Accredited Schools and Admission to Freshman Standing in the Colleges—Professors Lees (chairman), Barber, Barbour, Bessey, Caldwell, Conklin, Dales, Davis, Davisson, Fling, Fossler, Frye, Howard, Luckey, Reed, Richards, Sherman, Skinner, Swezey, Taylor, Wolcott.

Athletics—Professors Barber, Caldwell, Clapp, Richards, Skinner, Wolfe.

Calendar and Bulletins—The Chancellor (chairman), the Deans, Professors Persinger and Gass, the Registrar.

Delinquent Students—Professor Chatburn (chairman), the Adviser to Women, Professor Engberg (secretary), Professors Frye and Conant, and the chairmen of the inter-fraternity and inter-sorority councils.

Emergencies—The Chancellor (chairman) and the Deans.

The Library—The Chancellor, the Deans, and Professor Jewett (secretary).
Publication of University Studies—Professors Sherman (chairman), Bessey, Fling, Grumann, and Jewett (editor).

Student Organizations and Social Functions—Professors Chatburn, Candy (auditor), the Adviser to Women, and the chairmen of the inter-fraternity and inter-sorority councils.

Convocation Exercises—Professor Grumann (chairman), Mrs. Raymond, and the Registrar.

University Extension Courses and Credits—Professors Caldwell (chairman), Condra, Davis, Grumann, McBrien.

Student Publications—Professors Fossler, Aylsworth, Frye, Stout, and the Purchasing Agent (secretary).

Nominations—The Chancellor (chairman), Professors Barber, Bessey, Howard, Lees, Richards.

Correlation of Courses—The Chancellor (chairman), and the chairmen of the course of study committees of the colleges.

ALPHABETICAL LIST OF ALL OFFICERS OF ADMINISTRATION AND INSTRUCTION

Marks and Abbreviations

Figures in parentheses (as 1909, 1910) indicate, respectively, year in which present rank was attained and year of first membership in a faculty of the University.

Letters in parentheses (as AS, E) indicate college faculty or faculties of which the person is a member.

FACULTIES

A = College of Agriculture
AS = College of Arts and Sciences
E = College of Engineering
G = Graduate College

L = College of Law
M = College of Medicine
T = Teachers College

OFFICES

Adm. = Administration Hall, Campus
Agr. H. = Agricultural Hall, Farm
B = Brace Laboratory of Physics, Campus
C = Chemistry Hall, Campus
D = Dairy Hall, Farm
E = Engineering Laboratories, Campus
E. S. = Experiment Station Hall, Farm

G = Grant Memorial Hall, Campus
H. E. = Home Economics Hall, Farm
Hort. H. = Horticultural Hall, Farm
L = Library Hall, Campus
M = Mechanic Arts Hall, Campus
Mach. H. = Machinery Hall, Farm
Mus. = Museum Hall, Campus
N = Nebraska Hall, Campus
S = Soldiers' Memorial Hall, Campus
U = University Hall, Campus

- Aikin, Joseph Melancthon, M. D., Clinical Professor of Nervous Diseases, 486 Brandeis Building, Omaha (M).
- Alexander, Hartley Burr, Ph. D., Professor of Philosophy (1908, 1908), L 110 1736 Garfield street (AS, G).
- Alexander John Merriam, A. B., Assistant in Political Economy, 345 South Twenty-fifth street (AS).
- Alexis, Joseph, Instructor in Swedish and German in Germanic Languages (1910, 1910), U 108 (AS).
- Allen, Louise M., A. M., Scientific Assistant in Seed Testing, Experiment Station, University Farm (A).
- Almy, John Edwin, Ph. D., Professor of Experimental Physics (1909, 1900), B, 2300 A street (AS, G, E).
- Alway, Frederick James, Ph. D., Head Professor of Agricultural Chemistry (1909, 1906), E. S., 517 East Fifteenth street, University Place (A, G).
- Anderson, Edward Emil, B. Sc., Assistant Superintendent of Construction, Adm. 209, 1844 P street (Adm).
- Avery, Samuel, Ph. D., LL. D., Chancellor and President of the University Senate (1909, 1901), Adm. 101, 2001 Washington street.
- Aylsworth, Leon Emmons, A. M., Associate Professor of Political Science (1910, 1902), U 103, 2048 Vine street (AS, G).
- Baer, Alva Aldus, Instructor in Woodwork, Department of Farm Mechanics (1907, 1907), Mach. H., 1729 Prospect street (A).
- Barber, Grove Ettinger, A. M., Head Professor of Roman History and Literature (1906, 1882), U 205, 620 South Tenth street (AS, T, G).

- Barbour, Carrie Adeline, B. Sc., Assistant Curator of the University Museum, Mus., 1446 Q street (AS).
- Barbour, Erwin Hinckley, Ph. D., Head Professor of Geology (1893, 1891), State Geologist and Curator of the University Museum, Mus., 1234 R street (AS).
- Barker, Franklin Davis, Ph. D., Associate Professor of Zoology (1909, 1903), N 302, 1776 South Twenty-Sixth street (AS, M, T, G).
- Barker, Percy Bonsfield, A. B., Adjunct Professor of Soils (1909, 1908), E. S., 3003 Starr street (A).
- Barnebey, Oscar Leonard, A. M., Instructor in Chemistry (1909, 1909), 2008 R street (AS).
- Baumgartner, Milton D., A. M., Adjunct Professor of German (1908, 1907), U 108, 1115 H street (AS).
- Beach, Allen Reed, Chief Clerk at the University Farm, Agr. H. 202, 3136 Holdrege street (Adm).
- Beattie, Mabelle Benton, A. M., Library Assistant, M 202, 1452 Q street (Adm).
- Bell, Marion Cinderella, A. B., B. L. S., Cataloger in the Library, L, 919 C street (Adm).
- Bengtson, Nels August, A. M., Assistant Professor of Geography and Economic Geology (1910, 1908), U 7, 2215 S street (AS).
- Bennett, Claudius Edmund, B. Sc., Assistant in Physics, B 308, 1001 Jackson street, Havelock (AS).
- Bennett, Elizabeth R., Instructor in Mathematics (AS).
- Bessey, Charles Edwin, Ph. D., LL. D., Head Dean and Head Professor of Botany (1909, 1884), N 104, 1507 R street (AS, T, A, G).
- Bliss, Rodney Waldo, B. Sc., M. D., Instructor in Clinical Pathology and Internal Medicine, 312 McCague Building, Omaha (M).
- Boardman, Leland J., Assistant in Physics (AS).
- Boostrom, Emil August, A. M., Fellow in Botany (AS).
- Borrowman, George, A. M., Adjunct Professor of Chemistry (1908, 1905), C, 947 South Thirteenth street (AS, E).
- Bouton, Rosa, A. M., Professor of Home Economics (1908, 1900), H. E (A, T).
- Boyd, Alfred, B. Sc. in E. E., Adjunct Professor of Civil Engineering (1909, 1907), M 205, 1035 F street (E).
- Brenke, William Charles, Ph. D., M. Sc., Associate Professor of Mathematics (1909, 1907), M 301½, 400 South Twenty-sixth street (AS, E).
- Bridges, Willson Orton, M. D., Professor of the Principles and Practice of Medicine and Clinical Medicine, 302 Bee Building, Omaha (M).
- Bridgman, Judd Noble, M. S., Assistant Professor of Civil Engineering (1910, 1910) (E).
- Brock, Henrietta McElroy, Instructor in China Painting (1894, 1894), L 305, 620 South Tenth street (AS).
- Brownell, Herbert, B. Sc., Professor of Theory and Practice of Teaching the Physical Sciences and Superintendent of the Teachers College Training School (1910, 1910), Temple (T).
- Brumer, Lawrence, B. Sc., Head Professor of Entomology and Acting State Entomologist (1894, 1888), N 303, 2314 South Seventeenth street (AS, A, T, G).
- Buck, Philo Melvyn, Jr., A. M., Associate Professor of Rhetoric (1910, 1910), U 107 (AS).
- Bullock, Flora, A. M., Adjunct Professor of English in the School of Agriculture (1910, 1903), Agr. H. 109, Thirty-seventh and Y streets (A, AS).
- Bunting, Albert Eggleton, Adjunct Professor of Practical Mechanics (1909, 1907), Engineering Shops, 1721 C street (E).
- Burnett, Edgar Albert, B. Sc., Dean of the College of Agriculture and Director of Experiment Stations (1901, 1899), Agr. H. 202, 3206 Holdrege street (A).
- Burr, Pearle, Library Assistant, 311 North Thirty-fourth street (Adm).

- Burr, William Wesley, B. Sc., Assistant in Soils and Crops at North Platte Experiment Substation (A).
- Caldwell, Howard Walter, A. M., Head Professor of American History (1892, 1883), U 210, 1919 E street (AS, G, T).
- Candy, Albert Luther, Ph. D., Professor of Pure Mathematics (1907, 1893), M 304, 1003 H street (AS, T, G).
- *Carter, Miriam, Assistant in Physical Education.
- Chaikin, Annis Sarah, A. M., Fellow and Assistant in Greek, Hays Hall (AS).
- Chamberlain, May, A. M., Instructor in Germanic Languages and Literatures (1900, 1896), U 109, 2730 Q street (AS).
- Chase, Leon Wilson, B. Sc., Professor of Agricultural Engineering (1908, 1904), Mach. H., 1245 North Thirty-third street (A, G).
- Chatburn, George Richard, B. C. E., A. M., Head Professor of Applied Mechanics and Machine Design (1909, 1894), M 309, 2803 T street (E, G).
- Chevront, Maud, Executive Clerk Registrar's Office, Adm. 103, 2932 Q street (Adm).
- Chowins, Charles Edmund., M. E., Superintendent of Buildings, Grounds and Construction (1887, 1887), Adm. 208, 1802 Washington street (Adm).
- Chowins, John Martin, Expert Mechanician, Department of Physics, B, 2820 T street (AS, E).
- Christie, Burton Whitford, B. Sc., M. D., Instructor in Pediatrics, 48 Barker Block, Omaha (M).
- Clapp, Raymond Gustavus, Ph. B., M. D., Professor of Physical Education and Director of Athletics (1902, 1902), G, 641 South Thirteenth street (AS, T, G, M).
- Clark, Edgar Harlan, A. B., LL. B., Purchasing Agent, Adm. 202, 1848 Prospect street (Adm).
- Cloyd, Augustus Davis, M. D., Lecturer in Life Insurance Examinations, Woodmen Building, Omaha (M).
- Compton, Nellie Jane, A. B., Assistant Librarian, L, 1736 Cherry street (Adm).
- Conant, Ernest Bancroft, A. B., LL. B., Professor of Law (1907, 1907), U 308, 719 South Sixteenth street (L).
- Condra, George Evert, Ph. D., Professor of Geography and Economic Geology (1906, 1902), Mus. (or U 7), 1319 Q street (AS, A, E, T, G).
- Conklin, Clara, A. M., Professor of Romance Languages and Literatures (1904, 1892), U 301, 1220 L street (AS, T, G).
- Coons, G. Herbert, A. B., Adjunct Professor of Agricultural Botany (1909, 1909), Agr. H. 307 (A).
- Cowan, James, Superintendent of Experiment Substation at Valentine (Adm.)
- Craig, Clara Louisa, A. B., Reference Librarian, L, 421 South Twenty-eighth street (Adm).
- Crocker, George R., B. Sc., Instructor in the School of Agriculture (1910, 1910), Agr. H. (A).
- Crummer, LeRoy, M. D., Professor of Therapeutics, Omaha (M).
- Dales, Benton, Ph. D., Professor of Analytical Chemistry (1908, 1903) and in charge of Department of Chemistry, C, 2025 C street (AS, T, E, M, G).
- Dales, James Stuart, M. Ph., Secretary of the Board of Regents and of the University Senate, Adm. 102, 1743 A street (Adm).
- Dann, William Francis, A. M., Professor of the History and Criticism of the Fine Arts (1907, 1894), U 202, 3037 R street (AS, T, G).
- Davis, Byron Bennett, A. B., M. D. Professor of Principles of Surgery and Clinical Surgery, 202 Bee Building, Omaha (M).
- Davis, Ellery Williams, Ph. D., Dean of the College of Arts and Sciences and Head Professor of Mathematics (1893, 1893), M 301½, 1345 South Eighteenth street (AS, T, E, G).

- Davis, Searle S., A. B., Assistant in Rhetoric, U 107 (AS).
- Davisson, Albert Eugene, A. B., Head Professor of Agricultural Education and Principal of the School of Agriculture (1908, 1896), Agr. H. 207, 1321 South Eighteenth street (A, T).
- Day, Elsie, A. B., Ph. G., Instructor in Pharmacognosy, N 3, 1641 South Twenty-first street (AS, M).
- Dean, Charles Lee, B. Sc. in M. E., Assistant Professor of Mechanical Engineering (1909, 1902), M 211, 2638 O street (E, G).
- DeLacy, George Lewis, LL. B., Instructor in Law (1910, 1909), U 310 A (L).
- Denny, Grace Golden, A. B., Instructor in Home Economics (1908, 1908), H. E., 1726 Q street (A).
- Denny, Glaideth, A. B., Assistant in German and History, Agr. H. 204, 1726 Q street (A).
- Dunman, William Hill, Landscape Gardner, Hort. H., 3140 Dudley street (Adm).
- Eaves, Lucile, M. S. C., Ph. D., Associate Professor of Practical Sociology (1908, 1908), U 103 (AS, G).
- Edmiston, Aaron Welch, M. D., Instructor in Bandaging and Surgical Dressing, 3 Creighton Block, Omaha (M).
- Emerson, Clarence, Ph. D., Instructor in Bacteriology and Pathology, N 303, 533 North Twenty-seventh street (M, AS).
- Emerson, Rollins Adams, B. Sc., Professor of Horticulture (1909, 1909), Hort H., 1205 North Thirty-third street (A, AS, T).
- Engberg, Carl Christian, Ph. D., Professor of Applied Mathematics (1908, 1896), M 302, 330 North Thirty-second street (AS, E, G).
- England, Minnie Throop, Ph. D., Instructor in Political Economy (1909, 1909), U 101, University Place (AS).
- Ensign, Alice Baird, A. B., Adviser to Women (1909, 1909), Adm. 104, College View (Adm).
- Ernsberger, Iva, A. B., Fellow in Mathematics, M 302, 1325 T street (AS).
- Evans, Harlan Alfred, Assistant to Purchasing Agent, Adm. 202 University Place (Adm).
- Everett, Harry Harding, B. Sc., M. D., Instructor in Clinical Pathology and Diagnosis, M 300 (M).
- Fairchild, Nora May, M. D., Clinical Assistant in Gynecology, 826 Brandeis Building, Omaha (M).
- Filley, C. W., Scholar in Agronomy and Farm Management, E. S. (A).
- Findley, Palmer, B. S., M. D., Professor of Didactic and Clinical Gynecology, 302 Bee Building, Omaha (M).
- Flansburg, Claude Copley, Lecturer on Advocacy, Funke Building, 1645 A street (L).
- Fling, Fred Morrow, Ph. D., Head Professor of European History (1905, 1891), L 308, 1304 B street (AS, T, G).
- Fogg, Miller Moore, A. M., Professor of Rhetoric (1905, 1901), U 107, 1630 G street (AS, T, G).
- Folger, Harriet, B. Sc., Associate Professor of Home Economics (1909, 1909), 1129 J street (A).
- Foote, Paul D., Graduate Assistant in Physics (AS).
- Fordyce, Charles, Ph. D., Dean of the Teachers College and Head Professor of Educational Theory and Practice (1908, 1908), Adm. 104, 1921 C street (T, AS, G).
- Fossler, Laurence, A. M., Head Professor of Germanic Languages and Literatures (1894, 1889), U 108, 1547 South Seventeenth street (AS, T, G).
- Fossler, Mary Louise, A. M., Adjunct Professor of Chemistry (1908, 1898), C, 2434 Q street (AS, M).
- Frankforter, Clarence Jackson, A. M., Instructor in Chemistry and Custodian of Supplies (1909, 1909), C, 2261 Vine street (AS).

- French, William Luther, B. Sc., Adjunct Professor of Dairy Husbandry (1909, 1909), D (A).
- Frye, Prosser Hall, A. B., Head Professor of Rhetoric (1909, 1896), U 107, 528 South Tenth street (AS, T, G).
- Gain, James Harrison, M. D. C., Professor of Animal Pathology, A 104, 3045 Holdrege street (A).
- Gass, Sherlock Bronson, A. B., Ph. B., Adjunct Professor of Rhetoric (1907, 1905), U 107, 1712 E street (AS).
- George, Ralph Lowell, B. Sc., Assistant in Chemistry, C, 1501 S street.
- Gifford, Harold, B. S., M. D., Associate Dean of the College of Medicine and Professor of Ophthalmology and Otolaryngology, 563 Brandeis Building, Omaha (M).
- Gittings, Ina Estelle, A. B., Instructor in Physical Education and Director of Women's Gymnasium (1909, 1907), G, 1325 R street (AS).
- Glidden, Clara, A. B., Library Assistant, L, 1118 South Twelfth street (Adm).
- Goetz, James Samuel, M. D., Instructor in Internal Medicine 324 Bee Building, Omaha (M).
- Graham, Mary Catherine, A. B., Assistant Instructor in Chemistry (1909, 1909), C, 315 North Eighteenth street (AS).
- Green, John, Engineer of Heating and Power Plant, 327 North Eleventh street (Adm).
- Grimm, Edith Anita, A. B., Scholar in Latin, U 205 (AS).
- Grummann, Paul Henry, A. M., Professor of Modern German Literature (1907, 1900), U 111, 1930 Washington street (AS, T, G).
- Guenther, August Ernest, Ph. D., Professor of Physiology (1908, 1905), N 5, 1712 E street (AS, M, G).
- Haecker, Archibald Louis, B. Sc. A., Head Professor of Dairy Husbandry (1908, 1901), D, 503 South Twenty-sixth street (A, T).
- Hagenow, August, Instructor of the Band (1903, 1903), G, 1327 H street (AS).
- Hann, George Washington, B. Sc., Fellow in Mathematics, 645 North Sixteenth street (AS).
- Hannah, Margaret, A. B., Fellow in Botany (AS).
- Hansen, Niels Peter, Ph. G., Lecturer in Pharmacy, N 7, 1933 Garfield street (AS).
- Harnley, Earl Russell, Laboratory Assistant in Dairy Husbandry, 2940 Holdrege street (A).
- Harper, Ella Bradford, A. B., Instructor in Home Economics (1908, 1908), H. E., 928 South Tenth street (A).
- Harrison, Philip John, A. B., Registrar and University Publisher, Adm. 103, 1650 South Twentieth street (Adm).
- Hastings, William Granger, A. B., Dean of the College of Law (1909, 1904), U 310, 827 North Twenty-sixth street (L).
- Hayden, Sara Shewell, Director of School of Fine Arts (1909, 1899), L 305, 1820 B street (AS, T).
- Hays, Mabel, A. B., Assistant Instructor in English (1909, 1909) (AS).
- Heath, E. S., Fellow in Botany (AS).
- Heck, Charles M., A. M., Assistant Professor of Physics (1909, 1905), B, 1501 S street (AS).
- Hedges, Mabel Maude, A. B., Instructor in Home Economics (1910, 1910), 2502 Q street (A).
- Heppner, Amanda Henrietta, A. M., Professor of Germanic Languages and Literatures (1909, 1894), U 110, 944 Washington street (AS).
- Hill, Cora B., Assistant in Mathematics in Teachers College Training School, Temple (T).

- Hiltner, Walter Garfield, B. Sc., M. D., Demonstrator in Anatomy, M 300, 2216 South Fourteenth Street (M, AS).
- Hilton, David Clark, A. M., M. D., Instructor in Anatomy (M).
- Hinman, Edgar Lenderson, Ph. D., Professor of Logic and Metaphysics (1906, 1896), L 110, 2510 T street (AS, G).
- Hoffman, Oscar Samuel, M. D., Professor of Clinical Medicine, 324 Bee Building, Omaha (M).
- Hollister, Robert Russell, M. D., Instructor in Surgery and Gynecology, 400 Bee Building, Omaha (M).
- Hollister, Vernon Leo, B. Sc., Adjunct Professor of Electrical Engineering (1908, 1907), M 109, 1728 Cherry street (E).
- *Hooper, Clayburn E., Instructor in Physical Education.
- Hopt, Erwin, B. Sc., Adjunct Professor of Agronomy (1910, 1908), E. S., 3035 Orchard street (A).
- Hosford, Frederick Addison, Electrician, Adm. 207, 721 North Twenty-fourth street (Adm).
- Howard, George Elliott, Ph. D., Head Professor of Political Science and Sociology (1904, 1904), U 103, 1910 E street (AS, T, G).
- Howard, Robert Francis, B. Sc., in Agr., Assistant Horticulturist in Experiment Station, 1544 Q street (A).
- Howell, Harriet Alice, A. M., Adjunct Professor of Elocution (1905, 1900), U 106, The Orlo (AS, T).
- Hrbkova, Sarka, A. B., Adjunct Professor of Slavonic Languages (1910, 1907), U 108, 1726 Q street (AS).
- Hull, Charles Aaron, M. D., Instructor in Surgery, 200 Bee Building, Omaha (M).
- Hunt, Alfred Onias, D. D. S., Lecturer in Dental Surgery, 420 Bee Building Omaha (M).
- Hunter, Alice Cushman, Ph. D., Adjunct Professor of Roman History and Literature (1908, 1904), U 205, 1448 R street (AS).
- *Ingram, Della Elizabeth, Fellow in Botany, N 108 (AS).
- Jackson, William Roberts, A. M., Fellow in Educational Theory and Practice, 1923 M street, University Place (T).
- Jefferson, Alfred, M. D., Instructor in Therapeutics and Gynecology, 309 Ramge Block, Omaha (M).
- *Jensen, Hans Peter, M. D., Professor of Electro-Therapeutics, Omaha (M).
- Jewett, Walter Kendall, A. B., M. D., Librarian, L, 1634 D street (Adm).
- Johnson, Henry T., Ph. D., Instructor in Mathematics (1907, 1907), M 301½ (AS).
- Jonas, August Frederick, M. D., Professor of Practice of Surgery and Clinical Surgery, 454 Brandeis Building, Omaha (M).
- Jones, Guernsey, Ph. D., Associate Professor of American History (1909, 1897), U 210, 1418 L street (AS, G).
- Jones, Loyd Ancle, B. Sc. in E. E., Assistant in Physics, B, 1425 U street (AS).
- Jussel, Martin Simon, B. Sc. A., Assistant in Experimental Agronomy, Experiment Station.
- Kates, Alta M., Library Assistant (Adm).
- Kennedy, Charles Rex, M. D., Instructor in Surgery, 536 Brandeis Building, Omaha (M).
- Keyser, B. Sc., Superintendent of Farmers' Institutes, Agr. H., 630 North Thirtieth street (A).
- Kiesselbach, Theodore Alexander, A. B., Assistant in Experimental Agronomy (A).

- Kimball, Willard, Director of the University School of Music, Conservatory, 1936 D street (AS).
- Kincaide, Gertrude, A. B., Scholar in Romance Languages (AS).
- Klick, John Joseph, M. D., Assistant in Dermatology, 300 Bee Building, Omaha (M).
- Knorr, Fritz, B. Sc., Superintendent of Experiment Substation at Scottsbluff (Adm).
- Koch, Aurelia, A. M., Fellow in German (AS).
- Korsmeyer, Julia Marie, A. M., Adjunct Professor of Romance Languages and Literatures (1907, 1901), U 302, 1920 C street (AS, G).
- Krueger, John Frederick, A. M., Fellow in Political Science and Sociology (AS).
- Lamb, William Harrison, Assistant Curator of Herbarium.
- Lane, Wallace Rutherford, LL. B., Lecturer on Patent, Copyright, and Trade Mark Law, Des Moines Ia. (L).
- La Rue, George Roger, A. M., Technician in Zoology, N 207 (AS).
- Ledwith, John James, B. Sc., LL. B., Instructor in Law (1909, 1903), U 310 A, 1230 South Sixteenth street (L).
- Lees, James Thomas, Ph. D., Head Professor of Greek History and Literature (1891, 1889), U 215, 645 North Thirtieth street (AS, G, T).
- Lehnhoff, Henry John, A. B., M. D., Instructor in Surgery, M 300, 1945 E street (M).
- Lemere, Henry Bassett, M. D., Instructor in Ophthalmology and Otology, 309 Paxton Block, Omaha (M).
- Logan, Leo Joseph, Clerk, Secretary's Office, Adm. 102, 926 A street (Adm).
- Loughridge, Julia Emmeline, A. B., Adjunct Professor of Mathematics and Assistant Principal of the School of Agriculture, Agr. H. 204, Home Economics Building (A).
- Loveland, George Andrew, A. M., LL. B., Associate Professor of Meteorology (1906, 1894) and Observer United States Weather Bureau, B, 1130 South Twentieth street (AS, G).
- Luckey, George Washington Andrew, Ph. D., Head Professor of Education (1896, 1895), U 209, 1439 R street (AS, T, G).
- Luckey, George Paul, A. B., Assistant in Physics, 1439 R street (AS).
- Ludington, Paul Hagans, A. B., M. D., Instructor of Medicine, 811 Brandeis Building, Omaha (M).
- Lute, Anna Maude, B. Sc., A. B., Fellow in Botany, N 104, 1500 R street (AS).
- Lyman, Rufus Ashley, A. M., M. D., Professor of Pharmacodynamics and Director of the School of Pharmacy, N 7, 1641 South Twenty-first street (M, Pharmacy).
- McBrien, Jasper Leonidas, A. M., Director of University Extension (1908, 1903), Adm. 203, 716 South Eighteenth street (AS).
- McClanahan, Harry Monroe, M. D., Professor of Pediatrics, 468 Brandeis Building, Omaha (M).
- McConnell, Florence S., Scholar in English Language and Literature, L 301 (AS).
- McGahey, Florence Irwin, A. B., Assistant in Registrar's Office, Adm. 103, 1200 H street (Adm).
- McKelvie, Samuel, Lecturer in Swine Judging (1900, 1909), Agr. H. 103, The Nebraska Farmer Co. (A).
- McPhee, Margarite Cameron, A. M., Instructor in Rhetoric (1908, 1905), U 107, 1618 L street (AS).
- Macrae, Daniel Jr., M. D., Professor of Clinical Surgery, 252 Merriam Block, Council Bluffs, Iowa (M).
- Mahood, Samuel Arthur, B. Sc., Assistant in Chemistry, C (AS).

- Manning, Ernest Tibbetts, M. D., Instructor in Therapeutics, 501 Paxton Block, Omaha (M).
- Marshall, William Warner, Executive Clerk of Nebraska Experiment Station, Agr. H. 202, 229 North Eleventh street (Adm).
- Matthews, Homer Lawrence, Laboratory Assistant in Dairy Husbandry, D (A).
- Maxey, Edwin, D. C. L., Ph. M., Professor of Public Law and Diplomacy 1906, 1906), U 308, 1216 H street (L, AS, G).
- Mayland, Dorothea, A. B., Assistant in German in Teachers College Training School (T).
- Medlar, Edgar Matthias, B. Sc., Scholar in Zoology, 1634 Q street (AS).
- Menlove, Lulu, Assistant in Stenographic Bureau, Adm. 205, 605 South Tenth street (Adm).
- Mickey, Clark Edwin, B. Sc., Instructor in Applied Mechanics (1908, 1908), M 102, 1337 South Eleventh street (E).
- Milroy, William Forsyth, M. D., Professor of Clinical Medicine and Physical Diagnosis, 212 McCague Building, Omaha (M).
- Mogridge, George, M. D., Lecturer in Arrested Development, Glenwood, Iowa (M).
- Montgomery, Edward Gerrard, A. M., Professor of Experimental Agronomy (1909, 1906), E. S., 3270 Starr street (A, G).
- Moore, Burton Evans, Ph. D., Professor of Physics (1907, 1896), B, 1900 Euclid avenue (AS, E, G).
- Moore, Richard Channing, M. D., Professor of Diseases of the Mind, 312 McCague Building, Omaha (M).
- More, John Clyde, Clinical Assistant in Medicine (M).
- Morison, Charles Campbell, A. B., M. D., Instructor in Surgery (1910, 1910), 587 Brandeis Building, Omaha (M).
- Morse, George Hart, B. E. E., Professor of Electrical Engineering (1903, 1898), M 208, 2447 W street (E).
- Myers, Wilson Alexander, A. B., Fellow in Histology and Embryology (A).
- Needham, Daisy Jeannette, A. M., Instructor in European History (1909, 1907), L 308, 1726 Q street (AS).
- Nesbitt, Orpha, B. Sc., Instructor in Home Economics (1909, 1909) (A).
- Newman, Minnie, Instructor in English in the School of Agriculture (1909, 1909) (A).
- Newton, Earl Burdette, A. B., Fellow in Zoology, 336 South Twenty-seventh street (AS, M).
- Nims, Mabelle Zoe, A. M., Fellow in Philosophy, L 110 (AS).
- Noble, Edna Clara, B. L., Library Assistant, Agr. H., University Place (Adm).
- Olmstead, Lewis Bertie, B. Sc., Assistant in Physics, B 301, 2301 S street (AS).
- Ord, Maude Rennie, Secretary to the Chancellor, Adm. 101, 341 North Thirtieth street (Adm).
- Orr, Hiram Winnett, M. D., Assistant Professor of the History of Medicine, M 300, 2840 Sumner street (M).
- Owen, Frank Styles, M. D., Professor of Laryngology and Rhinology, 469 Brandeis Building, Omaha (M).
- Page, Ernest Clifford, Ph. M., LL. B., Lecturer in Medical Jurisprudence, 812 N. Y. Life Building, Omaha (M).
- Patton, James McDowell, A. M., M. D., Instructor in Ophthalmology and Otology (1909, 1910), 567 Brandeis Building, Omaha (M).
- Payne, Walter Scott, Instructor in Foundry and Machine Shops (1901, 1901), M 107, University Place (E).
- Pearson, Clarence Adolphus, Instructor in Forge and Foundry Work (1907, 1907), Engineering Shops, 3051 U street (E).

- Perin, Senator Willis, Superintendent of the University Farm, Agr. H., University Farm (A).
- Persinger, Clark Edmund, A. M., Associate Professor of American History (1909, 1901), U 210 (AS, T, G).
- Perusse, Francis J., Ph. C., Instructor in Pharmacology (1908, 1908), N 7, 809 North Twenty-first street (M, AS).
- Peterson, Alfred Olaf, M. D., Instructor in Internal Medicine, 203 Range Building, Omaha (M).
- Pfeiffer, Laura Belle, A. M., Adjunct Professor of European History (1906, 1903), L 308, The Orlo (AS, T).
- Philbrick, Inez, M. D., Consulting Physician to Women (Adm).
- Phillips, Frank J., A. B., M. S. F., Professor of Forestry (1907, 1907), N 105, 1849 K street (A, AS).
- Pilsbury, Laurence Bell, A. B., M. D., Adjunct Professor of Bacteriology and Pathology, N 302, 1044 H street (AS, M).
- Piper, Jennie Louise, A. B., Fellow in American History and Assistant in American History in the Teachers College Training School, U 210, 1731 D street (AS, T).
- Pollard, Charles Whitney, A. B., M. D., Adjunct Professor of Obstetrics, 446 Brandeis Building, Omaha (M).
- Pool, Raymond John, A. M., Assistant Professor of Botany, Curator of the Herbarium (1910, 1907), N 103, 1451 Q street (AS).
- Pool, Venus Worrell, A. M., Assistant in Agricultural Botany, Experiment Station, University Farm (A).
- Pound, Louise, Ph. D., Associate Professor of English Language and Literature (1908, 1894), L 301, 1632 L street (AS, G).
- Powers, Joseph Horace, Ph. D., Professor of General and Experimental Zoology (1910, 1903), N 208, 3150 R street (AS, M).
- Poynter, Charles William McCorkle, B. Sc., M. D., Professor of Anatomy and in charge of Department of Anatomy, M 300, 1749 Washington street (M).
- Pugsley, Charles William, B. Sc., Professor of Agronomy and Soil Agronomist (1910, 1908), 3260 Starr street (A).
- Purinton, Alice, B. Sc., Assistant in Physics, B 201, Hays Hall (AS).
- Rail, Ellis, B. Sc. A., Assistant Professor of Animal Husbandry (1910, 1908), Agr. H. 104 (A).
- Ramsey, William Hull, M. D., Instructor in Surgery, 224 Bee Building, Omaha (M).
- Rasmussen, Jesse Ephraim, B. Sc. in M. E., Adjunct Professor of Applied Mechanics and Machine Design (1908, 1907) M 309, 435 South Eighteenth street (E).
- Raymond, Carrie Belle, Director of Music (1908, 1894), U 106, 1414 L street (AS).
- Reed, Albert Alison, A. B., Inspector of Accredited Schools and Professor of Secondary Education (1909, 1908), Adm. 203, 2741 Randolph street (T).
- Reese, Elizabeth Irene, A. M., Instructor in Romance Languages and Literatures (1907, 1907), U 301, Hay's Hall (AS).
- Richards, Charles Russ, M. E., M. M. E., Dean of the College of Engineering and Head Professor of Mechanical Engineering and Practical Mechanics (1909, 1891), M 203½, 1803 A street (E, T, G).
- Robbins, Charles Augustus, Ph. M., LL. B., Professor of Law (1909, 1909), U 310a, Richards Block (L).
- Rood, Adelaide C., Assistant in Library, 856 North Twenty-fifth street (Adm).
- Rowe, Edward Winfield, B. Sc., M. D., Instructor in Anatomy (M).
- Runge, Lulu L., Instructor in Mathematics (1909, 1909), M 301½ (AS).
- Rutledge, Edward Markwood, A. B., Assistant Registrar, Adm. 103, 2344 Dudley street (Adm).

- Ryan, Sarah Agnes, A. B., Fellow in German, 2804 T street (AS).
- Sanford, Frederick Warren, A. B., Assistant Professor of Roman History and Literature (1906, 1906), U 203, 1728 South Twenty-sixth street (AS, G).
- Schalek, Alfred, A. M., M. D., Professor of Dermatology and Genito-Urinary Diseases, 400 Bee Building, Omaha (M).
- Schrag, Andrew D., Ph. D., Assistant Professor of German (1910, 1908), U 108, 1833 G street (AS).
- Schramm, Eck Frank, M. A., Fellow in Geology, 310 South Fifteenth street (AS).
- Schuster, E. R., Gardener of University Grounds in city of Lincoln (Adm).
- Scipio, Lynn A., A. B., B. Sc., Adjunct Professor of Mechanical Engineering (1909, 1908), 1604 Elm street (E).
- *Scott, Alice Lillian, Instructor in Physical Education, G (AS).
- Shedd, Claude Kedzie, B. Sc., Adjunct Professor of Agricultural Engineering (1909, 1909), (A, E).
- Sheldon, Addison Erwin, A. M., Lecturer in Political Science (1909, 1908), 1319 South Twenty-third street (AS).
- Sherman, Lucius Adelno, Ph. D., Dean of the Graduate College and Head Professor of English Language and Literature (1887, 1882), L 301, 1234 J street (AS, T, G).
- Sjogren, Oscar Warner, Instructor in Forge Work at the Farm (1909, 1909) (A).
- Skinner, Clarence Aurelius, Ph. D., Professor of Physics (1906, 1899), B 206, 1602 Poplar street (AS, T, E, G).
- Slaymaker, Philip K., M. E., Assistant Professor of Applied Mechanics and Machine Design (1908, 1907), M 309, 350 North Twenty-eighth street (E, G).
- Smith, Howard Remus, B. Sc., Head Professor of Animal Husbandry (1907, 1901), Agr. H. 103, 716 South Seventeenth street (A, T).
- Snyder, William Patton, A. B., M. S., Superintendent of North Platte Experimental Substation, North Platte (Adm).
- Somers, Andrew Bartholomew, M. D., Professor of Obstetrics, 446 Brandeis Building, Omaha (M).
- Spencer, Bertram John, Demonstrator and Teacher of Construction in Physics, B, 1425 North Twenty-fourth street (AS).
- Sponsler, Olenus Lee, A. B., Adjunct Professor of Botany and Forestry (1910, 1910), 1335 G street (A, AS).
- Stephens, George Asbury, Ph. D., Adjunct Professor of Political Economy (1910, 1909), U 101, 1131 H street (AS).
- Stetler, Carrie E., A. B., Fellow in American History, U 210, 1642 South Twenty-second street (AS).
- Stevens, James F., A. M., M. D., Professor in charge of Materia Medica (M).
- Stokes, Arthur Charles, B. S., M. D., Associate Professor of Genito-Urinary Surgery and Surgical Anatomy, 503 Brandeis Building, Omaha (M).
- Stout, Oscar Van Pelt, B. C. E., C. E., Head Professor of Civil Engineering (1898, 1891), M 205, 1735 Euclid avenue (E, G).
- Stuff, Frederick Ames, A. M., Associate Professor of English Language and Literature (1908, 1902), L 301, 434 North Twenty-eighth street (AS, T, G).
- Sturdevant, Lazelle Brantley, A. M., M. D., Assistant Professor of Animal Pathology (1908, 1906), Veterinary Hall, 2757 Holdrege street (A).
- Swenk, Myron Harmon, A. M., Assistant Professor of Entomology (1909, 1908) and Assistant State Entomologist, N 303, 3028 Starr street (A, AS).
- Swezey, Emma J., A. B., Fellow in Romance Languages, 2600 R street (AS).
- Swezey, Goodwin DeLoss, A. M., Professor of Astronomy (1896, 1894), B 306, 2600 R street (AS, T, G).
- Tate, J. Torrence, B. Sc., Assistant in Physics, B (AS).

- *Taylor, William George Langworthy, A. B., LL. B., Head Professor of Political Economy and Commerce (1897, 1893), U 101, 435 North Twenty-fifth street (AS, T, G).
- Thompson, Warren S., A. B., Scholar in Philosophy, L 110 (A. S).
- Tibbets, Addison Seabury, B. C. E., Lecturer on Professional Ethics, Richards Block (L).
- Tibbets, Anna Mary, A. M., Principal of the Teachers College High School, Temple, 1325 R street (T).
- Towne, Solon Rodney, A. M., M. D., Professor of Hygiene and State Medicine, 446 Brandeis Building, Omaha (M).
- Treynor, Vernon Lawrence, M. D., Professor of Clinical Medicine, Baldwin Block, Council Bluffs, Iowa (M).
- Truelsen, Thomas, M. D., Instructor in Physical Diagnosis and Clinical Assistant in Medicine, 587 Brandeis Building, Omaha (M).
- Trumbull, Robert Samuel, A. M., Adjunct Professor of Agricultural Chemistry, E. S., 2924 Clinton street (A).
- Tuckerman, Louis Bryant, Jr., A. B., Assistant Professor of Physics (1909, 1906), B (EG).
- Tuttle, Samuel Johnson, A. M., LL. B., Professor of Law (1909, 1909), Burr Block (L).
- Ulmann, Karl August, B. Sc., Instructor in Dairy Husbandry (1910, 1910), D, 1322 S street (A).
- Vennum, Mrs. Vada Clegg, Assistant Registrar College of Agriculture and Assistant Secretary to Faculty of College of Agriculture, 729 South Twenty-eighth street (Adm).
- Virtue, George Olien, Ph. D., Professor of Political Economy and Commerce (1909, 1909) and Acting Head of the Department of Political Economy and Commerce, U 101 (AS).
- Vollbehr, Margaret H., Stenographer in Teachers Bureau, Adm. 203, 320 South Fifteenth street (Adm).
- Vore, Juliet Mitchell, Assistant in Registrar's Office, Adm. 103, 601 South Twenty-ninth street (Adm).
- Voss, Adolph Max, A. B., Assistant Inspector of Accredited Schools, Adm. 203, 1246 South Fifteenth street (Adm).
- Votaw, William Ward, Assistant Superintendent in charge of Grounds, Buildings and Janitors, Adm. 206, 3044 Q street (Adm).
- Waite, Herbert Harold, A. M., M. D., Professor of Bacteriology and Pathology (1907, 1903), N 303, 2144 B street (AS, M, G).
- Walker, Elda Rema, Ph. D., Assistant Professor of Botany (1910, 1906) and in charge of Botanical Library, N 103, 331 North Eleventh street (AS).
- Walker, George Heman, M. D., Adjunct Professor of Anatomy (1910, 1909), M 300, 1212 K street (M, AS).
- Walker, Leva Belle, A. M., Instructor in Plant Pathology (1908, 1907) and in charge of Botanical Storeroom, N 108, 331 North Eleventh street (AS).
- †Wallace, Charles William, Ph. D., Associate Professor of English Language and Literature (1908, 1901), L 301, 1539 South Twenty-first street (AS, G).
- Warren, Welden Harrison, A. B., Assistant in Chemistry, C (AS).
- Watson, Robert Hart, A. B., Supervisor of Teachers College Training School, Temple (T).
- Weaver, John Ernest, B. Sc., Scholar in Botany, 1317 S street, (AS).
- Webster, Edith Leona, A. B., Assistant in Geology, 530 North Twelfth street (AS).

* Absent on leave, 1910-1911.

† Leave of absence.

- Webster, Hutton, Ph. D., Professor of Social Anthropology (1907, 1907) U 103, 1504 A street (AS, T, G).
- Wekesser, Henry Peter, M. D., Demonstrator in Anatomy, M 300, 904 E street (M, AS).
- Welch, J. Stanley, B. Sc., M. D., Instructor in Pathology (1910, 1910) (M).
- Wells, Clifford Webb, Ph. B., Scholar in Histology and Embryology (AS).
- Westermann, Max, Assistant Secretary of the Board of Regents, Adm. 102, 417 South Fourteenth street (Adm).
- Westgate, Vernon Vilas, A. M., Adjunct Professor of Horticulture (1910, 1908), Hort. H., 2615 Y street (A).
- Wherry, William Penaluna, M. D., Instructor in Laryngology and Rhinology, 469 Brandeis Building, Omaha (M).
- Wilcox, Edwin Mead, Ph. D., Professor of Agricultural Botany (1908, 1908), Agr. H. 307, 3261 R street (A, G).
- Willard, William Albert, Ph. D., Professor of Histology and Embryology (1909, 1902), N 204, 826 South Eighteenth street (AS, M, G).
- Williams, Terry A., Clerk in Secretary's Office, Adm. 102, 3205 Vine street (Adm).
- Wilson, Aimee, Head of Stenographic Bureau, Adm. 205, Melick Court (Adm).
- Wilson, Harriet, A. B., Library Assistant, College of Law Library, 1410 Q street (Adm, L).
- Wilson, Henry H., A. M., LL. M., Professor of Law (1900, 1891), U 308, 1339 South Nineteenth street (L).
- Wolcott, Robert Henry, A. M., M. D., Acting Dean of College of Medicine and Head Professor of Zoology (1909, 1894), N 206, 2100 B street (M, G).
- Wolfe, Harry Kirke, Ph. D., Head Professor of Philosophy (1909, 1905), U 209, 1727 J street (AS, G, T).
- Yates, Halsey E., Captain Seventeenth Inf., U. S. A., Professor of Military Science and Tactics (1909, 1909), G (AS, T, A, E).
- Zimmer, Mary Virginia, A. B., Instructor in Mathematics, Agr. H. 102, Forty-second and Holdrege streets (A, AS).

THE UNIVERSITY YEAR

The year's work of the various colleges and schools of the University in general falls into the following subdivisions:

The First Semester, beginning the third Tuesday of September, and continuing eighteen weeks. The Mid-Winter Commencement, for those finishing their work at the end of a first semester, is held on University Charter Day (February 15), except when it falls on Saturday or Sunday, in which case the exercises are held on the preceding Friday or the succeeding Monday.

The Second Semester, beginning about February 1, and continuing eighteen weeks. The Spring Commencement, closing the regular year's work, occurs on Thursday of the week of the regular (June) meeting of the Board of Regents. This meeting is held on the first Tuesday after the first Wednesday in June of each year.

The Summer Session, beginning the Monday following the Spring Commencement, and continuing eight weeks. Graduation exercises for those completing their University course at the end of a summer session are held on the last Friday of the Summer Session.

ADMISSION TO THE UNIVERSITY

Admission to the University is gained only through registration in some one of its seven colleges or four schools. The requirements for 1910-1911 for admission to these vary widely, and must be found by consulting the portion of the catalog devoted to the college or school the student desires to enter. After September 1, 1911, the requirements for admission to the various colleges will be as follows:

Subjects	Required	
	Points (17)	Elective Points (13)
1. English*	4	2
2. History*		
American		2
European	2	2

- *1. English: A few of the strongest accredited high schools may, by special action of the Committee on Accredited Schools, be granted two additional elective points, in each of these groups.
2. History:

Subjects	Required Points (17)	Elective Points (13)
3. Language (Ancient, Modern)*	6	8
4. Mathematics†		
Algebra	3	
Geometry	2	1
Trigonometry		1
5. Science‡		
Agriculture		1
Botany		2
Chemistry		2
Physical Geography		1
Physics		2
Zoology		2
6. Miscellaneous		
Other subjects taught in an approved manner in an accredited secondary school (one each)....		6

Accredited Schools. The University maintains a list of "accredited" secondary schools whose graduates are admitted to any college or school of the University (and to nearly all of the colleges or universities of the United States) without entrance examinations in those subjects whose completion within such schools are properly certified to. Unless coming from an "accredited" school a candidate for admission must be prepared to take entrance examinations in those subjects in which he desires entrance credits. "Accredited" schools are such as, under annual inspection by the University inspector of accredited schools, are found to have a well-balanced program of studies, satisfactory laboratory equipment and library

- *3. Language: Four of the six points required must be in Latin to enter the College of Arts and Sciences, the Teachers College, and the College of Medicine. For entrance to the other colleges of the University any foreign language may be offered to meet the requirement. The Committee on Accredited Schools may accept German or French to meet the required six points in foreign languages, in the case of specially approved accredited schools, for entrance to any College except that of Medicine.
- †4. Mathematics: Three points in Geometry are required for entrance to the College of Engineering.
- ‡5. Science. Physics: Two points in Physics are required for entrance to the Colleges of Agriculture, Engineering and Medicine and these may be offered in the place of two points in language.
- Chemistry: Two points in Chemistry should be offered for entrance to the Colleges of Agriculture, Engineering and Medicine.

facilities, and a teaching force adequate in number and competent in scholarship and professional training to accomplish the work they are undertaking. This list of accredited schools is published yearly in the University Calendar, the University Journal, and the High School Manual. At present there are two lists of accredited schools: (1) those which prepare fully for the first year of University work; and (2) those preparing for the lowest classes carried at the University. Any public or private high school or academy desiring to be placed on the accredited list should make request to the Inspector of Accredited Schools. The High School Manual, giving detailed information in regard to accredited schools, including general and departmental suggestions as to courses of study and methods of instruction, and the list of accredited schools, is sent upon application to the Registrar.

Four-year Accredited Schools. The following four-year secondary schools are accredited to the University for the year 1909-1910, to receive from 28 to 32 points of entrance credit, according to the work of the individual graduate:

Adams	Butte, Mont.	Emerson
Albion	Cambridge	Exeter
Alliance	Canton, S. D.	Fairbury
Alma	Cedar Rapids	Fairfield
American School, Mexico	Central City	Fairmont
Arapahoe	Chadron	Falls City
Arlington	Chadron Academy	Franklin
Ashland	Cheyenne, Wyo.	Franklin Academy
Atkinson	Clarks	Fremont
Auburn	Clay Center	Friend
Aurora	Columbus	Fullerton
Bancroft	Cotner University	Gates Academy
Beatrice	Academy (Bethany)	(Neligh)
Beaver City	Crawford	Geneva
Beaver Crossing	Creighton	Genoa
Bellevue Academy	Creighton University	Gibbon
Blair	Academy (Omaha)	Gothenburg
Bloomfield	Crete	Grand Island
Bloomington	Culbertson	Grand Island Academy
Blue Hill	Dana College Academy	Great Falls, Mont.
Blue Springs	(Blair)	Greeley
Brady	Davenport	Hartington
Bridgeport	David City	Harvard
Broken Bow	Deadwood, S. D.	Hastings
Brownell Hall	Doane College Acad-	Hastings College
(Omaha)	emy (Crete)	Academy
	Edgar	Havelock

Hebron	Oakdale	Schuyler
Hiawatha, Kan.	Oakland	Scottsbluff
Holdrege	Ohioa	Seward
Hooper	Oklahoma City, Okla.	Shelton
Humboldt	Omaha	Sheridan, Wyo.
Kearney	O'Neill	Sidney
Le Mars, Ia.	Ord	South Omaha
Laurel	Oregon, Mo.	Spalding Academy
Lead, S. D.	Orleans	Spencer
Leadville, Colo.	Orleans Seminary	Stanton
Lexington	Osceola	Sterling
Lincoln	Ottawa, Kan.	Stromsburg
Lincoln Academy	Overton	Sturgis, S. D.
Little Rock, Ark.	Oxford	Superior
Loup City	Papillion	Sutton
Luther Academy (Wahoo)	Pawnee City	Syracuse
Lyons	Pender	Table Rock
McCook	Pierce	Tecumseh
Madison	Plainview	Tekamah
Mankato, Kan.	Plattsmouth	Tilden
Marysville, Kan.	Ponca	Tulsa, Okla.
Minden	Randolph	Ulysses
Missoula, Mont.	Ravenna	University Place
Mt. St. Mary's Seminary (Omaha)	Rawlins, Wyo.	Valentine
Nebraska City	Red Cloud	Valley
Nebraska Military Academy (Lincoln)	Red Oak, Ia.	Wahoo
Nebraska Wesleyan University Academy (University Place)	Sacred Heart Academy (Omaha)	Wakefield
Neligh	St. Catherine Academy (Jackson)	Wayne
Nelson	St. Edward	Weeping Water
Newman Grove	St. Frances Academy (Council Bluffs Ia.)	Weeping Water Academy
Norfolk	St. Mary's Academy (O'Neill)	West Point
North Bend	St. Paul	Wilber
North Platte	St. Theresa's High School (Lincoln)	Wisner
		Wood River
		Wymore
		York

Three-Year Accredited Schools. The following three-year secondary schools are accredited to the University for the year 1909-1910, to receive from 22 to 27 points of entrance credit, according to the work of the individual graduate:

Ainsworth	Bertrand	Cozad
Battle Creek	Burwell	DeWitt
Beemer	Butte	Diller
Benson	Campbell	Dodge
Benkelman	Cedar Bluffs	Douglas

Dunbar	Louisville	Silver Creek
Elgin	McCool Junction	Springfield
Elmwood	Mead	Stella
Florence	Merna	Stratton
Giltner	Milford	Teachers Training
Grafton	North Loup	School, University
Hardy	Ogallala	of Nebraska
Herman	Pilger	Tobias
Indianola	Rushville	Trenton
Jackson	Rulo	Waterloo
Kimball County High	Sacred Heart High	Wausa
School	School	Western
Lawrence	Scribner	
Leigh	Shelby	

REGISTRATION

Candidates for admission to any of the colleges or schools of the University must present their applications and entrance credentials to the University Registrar. This should be done at least one month in advance of the opening of the first semester. On the opening or registration days of the semester, the candidate presents himself at the Registrar's office (Administration hall), where he receives instructions as to such other steps as may be necessary to complete his registration. Registration is governed by certain regulations and restrictions in each college and school of the University, and those of the college the candidate expects to enter should be studied carefully before the work of registration is undertaken.

FEES AND EXPENSES

Fees. Fees of varying amount are charged for various purposes in all of the colleges and schools of the University. The amount in any college or school may be found by consulting the portion of the catalog devoted to that college or school. All fees must be paid to the secretary at the time of registration. No part of the fees can be refunded to a student after the beginning of the fourth week of a semester or session. Any refund should be called for at the time of withdrawal from a class or from the University.

Board, Room, Employment. The average cost of a year's attendance at the University (not including fees of any kind) is about \$300. Many students reduce this amount. Board and lodging may be had among families of the city. In September the Young Men's Christian Association and the Young Women's Christian Association make, under the direction of

the Registrar, a canvass of the city and keep on file lists of rooms and boarding places. The Young Men's Christian Association maintains an employment bureau. A student in a city the size of Lincoln has many opportunities to secure employment by which he may defray at least part of his expenses. The authorities of the University do not, however, undertake to find employment for students. A student is advised not to enter the University unless he can count upon resources for one semester—at least \$150.

UNIVERSITY STUDENT ORGANIZATIONS

Religious. The Young Men's and Young Women's Christian Associations, non-sectarian and voluntary organizations of Christian men and women, members of the University, organize and conduct Bible study among the students, hold public meetings, help students to find suitable rooming and boarding places, give free aid to students in search of employment, and publish an annual Students' Handbook containing information especially valuable to new students. Inquiries should be addressed to the Secretary of either the Young Men's or the Young Women's Christian Association, Station A, Lincoln, Nebraska. The Students Volunteer Movement is composed of those who have declared their purpose to become missionaries, and meets once a week for devotional and critical Bible study.

Literary and Social. The Palladian and the Union are open literary societies meeting weekly on Friday evenings in their rooms in the Temple. The University Girls' Club is an organization formed to cultivate friendly and helpful relations among women students irrespective of department, course of study, or church or society affiliations. All women students and women members of the faculties are eligible to membership. The Dramatic Club is an organization of students interested in amateur theatricals. It gives several plays each year. Membership is by election. The English club is a writers' club, composed of advanced students and of instructors interested in writing. The club meets regularly to hear and discuss contributions by its members. Membership is by election. The Deutsche Gesellige Verein, the German Club, and the Komenian Club are literary and social organizations, whose main purpose is the study of history and language of Germany and Bohemia, respectively.

Scientific. The Graduate Club, the Debating Club, the Agricultural Students' Association, the Botanical Seminar, the Chemical Society, the Chemical Journal Club, the Engineering Society, the English and Latin Seminars, the Latin and Physics Colloquia, the Microscope, Forestry and

Zoological Clubs are more specially collegiate or departmental organizations, concerning which information is given in those portions of the calendar devoted to the different colleges and schools.

Musical. The University Chorus, open to all students, gives each year several cantatas and oratorios and participates in the May Music Festival. The Cadet Band, a military band, gives several home concerts annually and furnishes music on occasions of general University interest. The Glee and Mandolin Club gives concerts in Lincoln and throughout Nebraska and adjoining states.

Military. The Pershing Rifles is an organization of cadets composed of the best-drilled men in the University Cadet Battalion. Membership is by election. The Workizer Rifles is a similar organization in the School of Agriculture Cadet Battalion.

HONORS AND PRIZES

Fellowships and Scholarships are established in the different departments of the Graduate College, the College of Arts and Sciences, and the Teachers College, where extra help is needed for instruction. These are awarded either to graduate or to undergraduate students recommended by the heads of departments. They are not gifts or benefactions from the state but means by which services, assisting the holder in some special line of work, may be rendered to the University. For additional information see the announcement of the above colleges.

The William Jennings Bryan Prize. For the best essay on the science of government is offered annually the income of \$250, the gift of Hon. William Jennings Bryan. For detailed information apply to the professor of American history. This prize was awarded in 1909-1910 to James Alexander Cline.

Sheldon Prizes for Excellence in Debate. The prizes for excellence in debate in 1909-1910 were won by George N. Foster, Herbert W. Potter, John W. Rice, and Joseph T. Votava.

Prizes for Excellence in Bohemian, offered by the Bohemian Council of Higher Education. (1) To the student of the first year Bohemian class who attains the highest rank during both semesters, the Council of Higher Education offers a prize of books representing the best Bohemian literature. In 1909-1910 this prize was awarded to Orin Stephanek, and honorable mention given Godfrey C. Kadavy. (2) For the best essay on Bohemian History or Literature by a student who has completed the second year's

*

work in Bohemian a prize of valuable reference books is offered, the donor to make the selection. In 1909-1910 these prizes were awarded to James E. Bednar, William Provasnik, and Henry O. Baumann.

Athletic and Military Trophies. Cups or other trophies are offered for the winners in the annual Freshman-Sophomore Contest, Class Field Day, State Inter-Collegiate Field Day, Inter-state Baseball League Championship, Champion Outdoor Pentathlon, Company Drill, Artillery Drill, Individual Infantry Drill, and Individual Company A Drill.

Other Prizes are offered by the College of Law and the College of Medicine for excellence in the work of those colleges. See College of Law and College of Medicine.

Honorary Societies. Phi Beta Kappa, founded by Thomas Jefferson, has for its object the promotion of scholarship among the students and graduates of American colleges; the Nebraska Alpha chapter, founded in 1896, annually elects to its membership the one-tenth to one-sixth of the graduating class whose scholarship rank is highest. Sigma Xi is a similar organization for the encouragement of original investigation in science, pure and applied, and Theta Kappa Nu for promotion of scholarship in law. Delta Sigma Rho is a national society organized in 1906 by universities of the West to promote among college students the art of effective public speaking and debate, and its membership is confined to authorized representatives of universities and colleges in intercollegiate contests in debate or oratory. Phi Alpha Tau is an inter-collegiate honorary fraternity, organized by members of the University Debating Squad of 1906 to promote the art of public speaking and debate, and confines its membership, which is limited and by election, to students who have exhibited special interest in public speaking and debate and who have shown some special aptitude for that work.

PUBLICATIONS

General University Publications. In addition to its annual Calendar and semi-monthly Bulletins, the University publishes monthly (except July and August) The University Journal, devoted to the relations of the University with the secondary schools of the state and with the University Alumni. General student publications include the Daily Nebraskan, The Cornhusker (annual), and the Students' Handbook (annual). One number of the semi-monthly Bulletins of the University is entitled The High School Manual and is devoted to high school problems.

Departmental or Special Publications are the University Studies (see

the Graduate College), Studies from the Zoological Laboratory, Reports of the Botanical Survey of Nebraska, the Flora of Nebraska, the Nebraska Geological Survey, and the Bulletin of the University College of Medicine. The Nebraska Engineering Blue Print is an annual publication by the Engineering Students.

MISCELLANEOUS INFORMATION

Students' Mail sent direct to the University, should be addressed "Station A, Lincoln, Nebraska." This United States post-office is in effect part of the University, occupying University Hall 104, convenient to all students.

Convocation. Voluntary religious exercises are held in the Chapel at eleven o'clock Tuesday and Thursday. These are followed by either an interesting address on some important topic of the time or by a musical program.

Women's Parlors. In Soldiers' Memorial Hall a beautiful parlor has been furnished by members and friends of the University for the use of all women members of the University without reference to religious or other affiliations. Also, a study room open to all university women is provided in the basement of University Hall.

Care of the Sick. The University much needs an infirmary for the care of students when ill. Such students are, however, carefully provided for even at present, on application to the chancellor, at whose office all cases of serious illness should be reported.

Visitors to the University. Visitors are always welcome. High-school classes, clubs, or parties should, a few days in advance, inform the Registrar of their coming.

Meetings of State Societies. Many state societies hold their annual meetings at the University. The University is always pleased to extend its hospitality and the use of its buildings to any of these or to any similar organization.

The Alumni Association, organized in 1874, is composed of the graduates of the University, including graduates receiving higher degrees. The annual meeting is held the day before Commencement Day.

RULES AND REGULATIONS GOVERNING STUDENTS

The proper University authorities have established several definite rules and regulations for the government of student conduct and activities within

the University. Each student is expected to familiarize himself with these rules and is held responsible for compliance with their provisions. The rules and regulations are as follows:

Registration

1. Each student should register at the Registrar's office at the beginning of each semester on one of the days set apart for registration. To promote prompt registration a fee of three dollars (\$3) is charged a student who, unless excused by the Chancellor, for any reason seeks to register later.

2. A like fee is charged for re-registration if made necessary by the student's fault. Any change whatever in registration once made, dropping a study or adding a study, is regarded as a re-registration.

3. No first or second year student (freshman or sophomore) may register for more than five subjects (exclusive of drill or physical training). No first year student may register for more than 16 credit hours, except on written permission of the dean of his college, and then for a maximum of 18 credit hours. All students above first year who have attained an average grade of 80 per cent. during the previous year may register for 18 credit hours.

3a. No first or second year student may register for more than one one-hour course (exclusive of drill and physical training) in any one semester; and no third or fourth year student may register for two one-hour courses in any one semester.

4. A student who fails in a required subject must register for that subject again the first time it is offered.

5. A student who is conditioned in a subject must remove the condition by the end of the first semester in which that subject is again offered or it becomes a failure.

6. A student cannot attend a class for which he is not registered. The official certificate of registration, signed by the Registrar, is the only evidence of registration to be accepted from the student by an instructor. Credit is not granted for a subject pursued without registration.

7. No student is allowed to change from one group of studies to another or from one college to another without written permission by the dean of each college concerned. A student changing college must also pay a new matriculation fee of five dollars (\$5).

8. A student who, by virtue of special circumstances, is allowed to register for less than the minimum twelve (12) hours required of regular students,

receives this permission only for such time as the special conditions continue. No person is allowed to abuse the privilege of registering as a special student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics or for any other reason.

9. Every detail of registration and record from the time the student leaves the high school until he graduates from the University, together with the interpretation of all the rules relating thereto and the publication of the same, are under the supervision of the Registrar, who is responsible directly to the Chancellor.

Military Drill and Physical Training

10. Each regular and special student in the College of Literature, Science and the Arts and in the Industrial College must fulfill the requirements in military drill (for men) and in physical training (for women) in the Freshman and Sophomore years, unless excused or reprieved.

11. Only properly attested physical disability or conscientious scruples (on the part of parent in case of a minor) are accepted as excuses from the requirement in military drill. Only properly attested physical disability is accepted as excuse from the requirement in physical training.

Attendance

12. Regular attendance is required at all recitations, laboratory and field work.

13. All absences are reported to the Registrar weekly by instructors.

14. Temporary leave of absence may be granted a student by the dean of his college. This leave of absence is not an excuse from any work.

15. Permission to withdraw from the University before the close of a semester is granted by the Registrar.

Regular Examinations

16. Regular examinations or tests in every class in the University are held each semester as follows: (1) at the middle of the semester; (2) at the close of the semester. Other tests are held at the pleasure of the instructor.

Special Examinations

17. No student is given, for any reason whatever, an examination before the regular examination of the class or section. A student desiring an examination later than the regular examination first gets his instructor's con-

sent, and then pays the Secretary the special examination fee of one dollar (\$1—in the College of Law \$2). The Secretary's receipt authorizes the instructor to give the examination.

18. No student is allowed to take any book or paper into the examination room unless the instructor expressly so directs.

Reports—Standing

19. On the attendance and standing of each student in each course the instructor makes to the Registrar the following regular reports:

A. At the end of each week he reports the absences for the week and all cases of delinquency.

B. At the middle of the semester he reports all students who are below a passing grade as shown by class-room work and the mid-semester examination or test.

C. At the end of the semester he reports the proficiency each student has attained. All grades above passing (70) are reported to the Registrar in figures, either in straight percentages or in multiples of five. Below passing the following are the markings: F=Failure (below 60); C=Conditioned; I=Incomplete. Also, A=Withdrew in good standing; D=Delinquent at time of withdrawal; W=Withdrew without permission.

Discipline

20. A student who at mid-semester is thru neglect delinquent in one-half or more of his work (as determined by the number of hours) is dropped from the University. If he is delinquent in two or more subjects but less than one-half of his work, he is placed upon probation for one month.

21. A student who at the end of the semester fails in one-half or more of his work is refused registration the following semester. The administration of rules 20 and 21 is in the hands of a standing committee of the senate.

22a. A student who, in any semester, is not satisfactorily carrying at least twelve (12) hours is debarred from representing the University that semester on any athletic or debate team or board, on a glee, mandolin or dramatic club, on the staff of any college publication or on any other University organization; moreover a student who fails to pass in twelve (12) hours at the end of a semester is debarred from representing the University in any capacity the semester following. In case a student in any of the above named student enterprises fails, any semester, to carry satisfactorily the work or any part thereof for which he is registered, the Committee on

Delinquent Students may at its discretion lessen the hours of such student's registration.

22b. Women students in the University shall not take part in out-of-town performances such as dramatic and glee club presentations, elocution recitals, etc., during the regular sessions of the University, and at other times only after permission is granted by the Committee on Student Organizations and Social Functions.

23. Whenever a student is dropped from the University on account of vicious or wanton delinquency his name is published.

Suspension—Expulsion

24. A student may be refused registration, suspended or expelled for persistently infringing the good order and comity of the University as by dishonesty in written work, the acts inhibited under "Prohibitions" below, or any conduct injurious to the work or the good name of the University.

Dishonesty in Written Work

25. The case of any student detected in dishonestly giving or receiving aid during an examination must be immediately reported to the dean of his college by the instructor in charge of the examination or by the head of the department with a succinct account of the evidence in the case. In cases of clear guilt the deans affix penalties in accordance with deserts.

Dishonesty in written work, themes, essays, reports, theses and the like, is treated in the same way as dishonesty in examinations. The turpitude consists in the presentation as one's own of work or results really borrowed in whole or in part from another.

Prohibitions

26. Students must not frequent gaming houses or saloons, or brothels, or engage in gambling, or use intoxicating drinks, or do any other acts inconsistent with good morals. A student must not neglect a call of the Chancellor, Dean, Registrar, or other University officer, or of any professor in the faculty of a college in which he is registered. In all matters pertaining to University property students must obey the Superintendent of Grounds and Buildings. Disorderly or boisterous gatherings of students on the grounds or elsewhere, all interference with individual liberty or with property or other rights, attacks upon one class by another, or efforts to interrupt legitimate assemblages of students are prohibited.

Petitions—Meetings

27. The right of respectful petition is open to all students.

28. No extraordinary meetings of students are permitted on University grounds or within any University building, for any purpose whatever, except after and in pursuance of a written or printed notice or call stating clearly the business of such meeting. Said notice must be signed by at least three students, approved by the executive office, and be posted openly on the bulletin board in University Hall. Such meetings must always be open and they are subject to immediate adjournment by the Chancellor or his representative in case of disorder.

Boards of Control

29. The University Athletic Board, composed of six faculty members, one alumnus, and five student members elected annually, controls athletics in the University.

30. The University Debating Board, composed of seven faculty members (ex-officio) and of five student members elected annually, supervises all public debates between students of the University and other institutions.

31. The Student Publication Board, composed of five faculty members and three student members, has general oversight over all publications by University students.

Control of Students' Organizations

32. Every non-athletic organization or enterprise of University students bringing students financially into relations with the public is required each year to submit its accounts, not later than May 1st, for audit to the Senate Committee on Student Organizations.

No student connected with any financial work who has not in the above manner satisfactorily accounted for all money entrusted to him or for which he has been responsible is graduated or given an honorable dismissal from the University.

All supplies, for students, of a semi-official character, such as class invitations, etc., shall be ordered by the committee in charge through the University Purchasing Agent, who has entire financial charge of such matters. He will handle such business precisely as he secures books and other supplies for students.

Library and Use of Books

33. Any student regularly registered may take out two books at the closing hour of a day, such books to be returned promptly at the next opening hour. Only two books at a time may be taken out under this privilege.

On written permit from the head of a department any student may draw

one book at a time to be kept not more than one week. Such permit is good only for books pertaining to the department issuing the permit.

A student leaving Lincoln for more than one week must on or before leaving return all the library books in his possession.

The following classes of books are not circulated: reference books shelved in the reading room; periodicals, whether bound volumes or current numbers.

Books especially reserved for class use may not be taken out except over night.

Talking is not permitted in the library.

The library board may, on recommendation of the librarian, suspend from library privileges any person who persistently disregards these rules or in any way misbehaves.

Announcements—Notices—Residence

34. The residence of men and women students in the same lodging houses (as distinguished from families) is not approved and not, as a rule, permitted.

35. A landlady rooming women students is expected to provide for their use, till half after ten on Friday, Saturday, and Sunday evenings, or on two of these evenings, a reception room properly warmed and lighted.

36. Women students in these houses will receive gentlemen callers only in the reception rooms. Gentlemen will take notice and govern themselves accordingly.

37. Any official University announcement or notice is considered as duly published and as binding upon all students when it is placed upon the official bulletin board or when it is announced at convocation.

38. Emergency or specially important meetings of the University body are called by the display of red-letter notices on all bulletin boards. Obedience to such calls is obligatory on all students.

39. No notice of a meeting of any class or any student organization can be placed upon any of the official bulletin boards unless countersigned by the Registrar.

40. No private advertising announcements can be placed upon any of the University bulletin boards.

The Graduate College

CONTENTS

	PAGE
Officers of Administration and Instruction.....	46-49
General Information	50
Organization and History.....	50
Purpose	50
Degrees	50
Admission to the Graduate College.....	50
Classes of Graduate Students.....	50
Registration	51
Fees	51
Requirements for the Degree of Doctor of Philosophy.....	51
Preliminary Examination	52
Thesis	52
Final Examination	52
Requirements for the Degree of Master of Arts.....	53
Examination	53
Thesis	53
Fellows and Scholars.....	53
The Graduate Club.....	53
The University Studies.....	54
Courses of Instruction.....	54

OFFICERS OF ADMINISTRATION AND INSTRUCTION

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

JAMES STUART DALES, M. Ph., Secretary of the University.

PHILIP JOHN HARRISON, A. B., Registrar and University Publisher.

LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Dean of the Graduate College and Head Professor of the English Language and Literature. Administration Hall 104.

GROVE ETTINGER BARBER, A. M., Head Professor of Roman History and Literature.

HOWARD WALTER CALDWELL, A. M., Head Professor of American History.

CHARLES EDWIN BESSEY, Ph. D., LL. D., Head Dean and Head Professor of Botany.

LAWRENCE BRUNER, B. Sc., Head Professor of Entomology and Acting State Entomologist.

JAMES THOMAS LEES, Ph. D., Head Professor of Greek History and Literature.

LAURENCE FOSSLER, A. M., Head Professor of the Germanic Languages and Literatures.

ERWIN HINCKLEY BARBOUR, Ph. D., Head Professor of Geology, State Geologist, and Curator of the University Museum.

FRED MORROW FLING, Ph. D., Head Professor of European History.

CHARLES RUSS RICHARDS, M. E., M. M. E., Dean of the College of Engineering, and Head Professor of Mechanical Engineering and Practical Mechanics.

OSCAR VAN PELT STOUT, B. C. E., C. E., Head Professor of Civil Engineering.

ELLERY WILLIAMS DAVIS, Ph. D., Dean of the College of the Arts and Sciences, and Head Professor of Mathematics.

* WILLIAM GEORGE LANGWORTHY TAYLOR, A. B., LL. B., Head Professor of Political Economy and Commerce.

* On leave of absence, 1910-1911.

GEORGE WASHINGTON ANDREW LUCKEY, Ph. D., Head Professor of Education.

PROSSER HALL FRYE, A. B., Head Professor of Rhetoric.

GEORGE ELLIOTT HOWARD, Ph. D., Head Professor of Political Science and Sociology.

HARRY KIRKE WOLFE, Ph. D., Head Professor of Philosophy.

FREDERICK JAMES ALWAY, Ph. D., Head Professor of Agricultural Chemistry.

CHARLES FORDYCE, Ph. D., Dean of the Teachers College, and Head Professor of Educational Theory and Practice.

CLARA CONKLIN, A. M., Professor of Romance Languages and Literatures.

ALBERT LUTHER CANDY, Ph. D., Professor of Pure Mathematics.

GOODWIN DE LOSS SWEZEY, A. M., Professor of Astronomy.

ROBERT HENRY WOLCOTT, A. M., M. D., Dean of the College of Medicine and Professor of Zoology.

GEORGE RICHARD CHATBURN, B. C. E., A. M., Head Professor of Applied Mechanics and Machine Design.

WILLIAM FRANCIS DANN, A. M., Professor of the History and Criticism of the Fine Arts.

EDGAR LENDERSON HINMAN, Ph. D., Professor of Logic and Metaphysics.

BURTON EVANS MOORE, Ph. D., Professor of Physics.

CARL CHRISTIAN ENGBERG, Ph. D., Professor of Applied Mathematics.

CLARENCE AURELIUS SKINNER, Ph. D., Professor of Physics.

PAUL HENRY GRUMMANN, A. M., Professor of Modern German Literature.

JOHN EDWIN ALMY, Ph. D., Professor of Experimental Physics.

MILLER MOORE FOGG, A. M., Professor of Rhetoric.

GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Economic Geology.

WILLIAM ALBERT WILLARD, Ph. D., Professor of Histology and Embryology.

HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology.

*BENTON DALES, Ph. D., Professor of Analytical Chemistry.

* In charge of the Department of Chemistry,

- AUGUST ERNEST GUENTHER, Ph. D., Professor of Physiology.
- EDWIN MAXEY, D. C. L., Ph. M., Professor of Public Law and Diplomacy.
- EDWARD GERRARD MONTGOMERY, A. M., Professor of Experimental Agronomy.
- HUTTON WEBSTER, Ph. D., Professor of Social Anthropology.
- FRANK J. PHILLIPS, M. S. F., Professor of Forestry.
- HARTLEY BURR ALEXANDER, Ph. D., Professor of Philosophy.
- LEON WILSON CHASE, B. Sc., Professor of Agricultural Engineering.
- EDWIN MEAD WILCOX, Ph. D., Professor of Agricultural Botany.
- CHARLES WILLIAM PUGSLEY, B. Sc., Professor of Agronomy and Soil Agronomist.
- GEORGE OLIEH VIRTUE, Ph. D., Professor of Political Economy and Commerce, and Acting Head of Department of Political Economy and Commerce.
- LOUISE POUND, Ph. D., Associate Professor of the English Language and Literature.
- GUERNSEY JONES, Ph. D., Associate Professor of American History.
- *CHARLES WILLIAM WALLACE, Ph. D., Associate Professor of the English Language and Literature.
- CLARK EDMUND PERSINGER, A. M., Associate Professor of American History.
- FREDERICK AMES STUFF, A. M., Associate Professor of the English Language and Literature.
- FRANKLIN DAVIS BARKER, Ph. D., Associate Professor of Zoology.
- LUCILE EAVES, M. S. C., Ph. D., Associate Professor of Practical Sociology.
- GEORGE ANDREW LOVELAND, A. M., LL. B., Associate Professor of Meteorology, and Observer of the United States Weather Bureau.
- LEON EMMONS AYLSWORTH, A. M., Associate Professor of Political Science.
- CHARLES LEE DEAN, B. Sc. in M. E., Assistant Professor of Mechanical Engineering.
- FREDERICK WARREN SANFORD, A. B., Assistant Professor of Roman History and Literature.

* On leave of absence.

PHILIP K. SLAYMAKER, M. E., Assistant Professor of Applied Mechanics and Machine Design.

LOUIS BRYANT TUCKERMAN, JR., A. B., Assistant Professor of Physics.

JULIA KORSMEYER, A. M., Adjunct Professor of the Romance Languages and Literatures.

GENERAL INFORMATION

Organization and History of the Graduate College. Graduate instruction in the University of Nebraska was organized in 1886. In September of this year, courses were offered in Latin, Greek, Sanskrit, Old English, Old French, Germanics, English Constitutional History, Institutional History, Mathematics, Civil Engineering, Botany, Chemistry, and Geology. In the years following, up to 1895, graduate work was begun in Economics, Entomology, American History, European History, Philosophy, Physics, and Zoology. In 1895, a Graduate School was organized, under a dean, and a designated faculty. The number of students increased steadily, and in 1898 thirty-nine candidates received degrees. During this second period lasting till 1909, many graduate subjects were added, including Astronomy, Bacteriology, Commerce, Education, English History, Geography, Physiology, Political Science and Sociology, and Rhetoric. In the legislative session of 1909, the charter of 1877 was amended, and the establishment of seven colleges, instead of the five colleges named in the charter, was authorized. By this act, the Graduate School became the Graduate College of the University of Nebraska.

Purpose of the Graduate College. The Graduate College extends and enlarges the work of the undergraduate departments, in order to provide facilities for specialization and research. It enables students to employ themselves for two or more semesters on uncompleted subjects, or other work for which the discipline of college training has prepared them. It furnishes expert and standard preparation for those who expect to become investigators, consulting engineers, or teachers in academies and colleges. The Graduate College offers these privileges, which would be costly in an institution differently endowed, practically without expense to the student.

Degrees. The degrees of Doctor of Philosophy, Master of Arts, Master of Forestry, Civil Engineer, Electrical Engineer, and Mechanical Engineer are conferred on registered students, by the Board of Regents, upon recommendation of the Graduate faculty.

ADMISSION TO THE GRADUATE COLLEGE

Classes of Graduate Students. The Graduate College recognizes three classes of applicants: those who, having taken a bachelor's degree, wish to broaden their education without reference to higher degrees; those who wish to be candidates for advanced degrees, but are deficient in undergrad-

uate preparation; and those who are eligible to candidacy, and wish to enter at once upon their special work. Those who do not wish to be candidates for an advanced degree are at once admitted, on evidence of graduation, to approved work in the Graduate College. Persons presenting first degrees in Law or Medicine or Theology may be admitted in this class. Those seeking advanced degrees, with insufficient preparation, are admitted to graduate standing, but must at once make up their deficiencies by taking courses in the undergraduate colleges. On completion of these assigned or arranged courses, such students become applicants of the third class, and are eligible to candidacy for the degree desired.

Registration. Graduates of the undergraduate colleges of this University or of other colleges having equivalent courses, who have been accepted and approved by heads of departments in charge of the subjects proposed, are registered by the Dean of the college for the degree they designate. For the degree of Doctor of Philosophy, the candidate must be registered for a minor subject, and an approvably related minor, or a major subject and two approvably related minors. Candidates for the degree of Master of Arts may be registered for a major and a minor subject, or for a major and two minors, or may concentrate all work upon a single subject. Graduate students are permitted to register at any time until the end of the week following the regular undergraduate registration days.

Fees. Fellows and scholars engaged in teaching, laboratory supervision, or other similar work, are charged only the matriculation fee of \$5.00. Other graduate students are required to pay the following fees:

Matriculation, on entrance.....	\$5.00
Incidental, each semester.....	3.00
*Library, each semester.....	1.00
Diploma fee, for each advanced degree.....	10.00
† <i>In absentia</i> additional diploma fee.....	10.00

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidacy for the degree of Doctor of Philosophy can in no case be completed in less than three years of graduate study. Two years of such work, in another institution, when carried with proper facilities and under

* Graduate students taking laboratory work are charged the usual laboratory fees; a student paying any laboratory fee is not required to pay the library fee.

† The doctor's degree cannot be taken *in absentia*.

competent instruction, may be credited by the Graduate Council; but the last year of candidacy must be spent in residence in the Graduate College. Each candidate must, at registration, satisfy the Graduate Council that he has a reading knowledge of French and German, or must arrange with the heads of these departments with reference to his deficiencies.

Preliminary Examination. Not later than one school year before his final examination, each candidate for the degree of Doctor of Philosophy must submit to a preliminary examination. This examination may be waived, however, in the case of a candidate who has taken his Master's degree in this University.

Thesis. On completion of his studies, the candidate must present an acceptable thesis. The thesis, prepared upon a topic that has been approved by the professor in charge of the major subject, must show evidence of scholarly research. It must be typewritten, ~~pag~~ed, and bound according to a prescribed form, which may be seen in the University library. It must be submitted to the professor in charge of the major subject at least two months before the intended graduation of the candidate. When it has been approved by the examining committee, it will be placed in the chancellor's office, where, during a period of not less than two weeks, it will be available for inspection by members of the faculty. A public defense of the thesis may be required of the candidate. After the thesis has been finally approved, the candidate must file an original and a duplicate typewritten copy of it with the librarian. The original copy of the thesis so filed may not be loaned, or pass from the custody of the library under any circumstances or pretext whatsoever. It is also required of the candidate that he have printed and deposited in the library of the University one hundred copies of his thesis, to be subject to the control of the librarian and the head of the department concerned. All theses and printed copies thereof must be provided with a cover and a title page lettered in a form prescribed by the librarian. The degree, however, may be conferred before the thesis is printed, provided a security bond, be furnished and filed with the secretary of the board of regents. The amount of this bond is to be named by the librarian, and any term of extension will be fixed jointly by the librarian and the dean of the Graduate College.

Final Examination. After the thesis of the candidate has been accepted by the examining committee, he must pass a public examination in the subjects offered for his degree. This examination is held before an examining committee of not less than three members, including the professors in charge of the major and minor subjects, supplemented if necessary by appointment from the graduate faculty.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

Candidacy for the degree of Master of Arts can in no case be completed in less than a year of resident graduate study.* On completion of this study, the candidate must pass a public examination, and present an acceptable thesis, based upon some topic connected with his major subject.

Examination. After finishing his studies, each candidate must pass a public examination in the subjects offered for the Master's degree. By concession, a student unable to complete his candidacy in a single residence at the University may be examined in his major and minor studies separately, on completion of either. The examination is conducted by a committee composed of the professors in charge of the major and minor subjects. If but a single subject is offered, an additional examiner is appointed from the Graduate Faculty.

Thesis. Each candidate for the degree of Master of Arts must present a thesis embodying, in connection with his major subject, the results of research, of the scholarly treatment of some topic. It must be typewritten, paged, and bound according to a form prescribed, which may be seen in the library of the University. It must be submitted for examination at least two weeks before the intended graduation of the candidate. After being approved and accepted, the thesis becomes the property of the University and is placed on file in the University library.

FELLOWS AND SCHOLARS

Fellowships are awarded to candidates for higher degrees who present evidence of high attainments, and who have completed at least a year of approved graduate study. Compensation for services by instruction or otherwise does not exceed \$400 a year. Scholarships are awarded to candidates for higher degrees on evidence of high attainments in undergraduate study. The compensation is not to exceed \$250. Semestral fees are remitted to fellows and scholars who give actual instruction or have laboratory supervision. All applications from candidates or fellowships or scholarships must be entered before March 1.

THE GRADUATE CLUB

The Graduate Club aims to promote good fellowship, scientific interest, and breadth of view among the graduate students of the University. Any

* By concession, approved students may be accounted to have fulfilled the requirements as to residence by completion of eighteen hours of work registered for in Summer Sessions of the University.

student registered for graduate work may become a member. The chancellor and all persons giving graduate instruction in the college are members by courtesy. The club meets at least thrice a year to transact business and to listen to papers on scientific subjects. These papers aim to present in comparatively untechnical form the results of research.

THE UNIVERSITY STUDIES

The University publishes quarterly The University Studies, containing contributions by members of the faculty and at least portions of such doctors' dissertations as are regarded as especially worthy of publication therein.

COURSES OF INSTRUCTION

The courses of instruction for the Graduate College, the College of Arts and Sciences, and the Teachers College are grouped together, on later pages of this catalog, under the heading, "Courses of Instruction."

The College of Arts and Sciences

CONTENTS

	PAGE
Officers of Administration and Instruction.....	56-62
The College of Arts and Sciences.....	63
Admission to the College of Arts and Sciences.....	63
Entrance Credits	63
Required Entrance Subjects.....	63
Optional Entrance Subjects.....	63
Entrance from Accredited Schools.....	64
Advanced Standing	64
Adult Special Students.....	65
Registration	65
Fees	66
Laboratory Fees.....	66
Requirements for Graduation.....	67
University Credits	67
Required Subjects	67
Optional Subjects	68
Specialization	68
Grades	68
<i>In Absentia</i> Credit	69
Bachelor of Science Degree.....	69
Advisers	69
Courses of Instruction.....	69

OFFICERS OF ADMINISTRATION AND INSTRUCTION

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

JAMES STUART DALES, M. Ph., Secretary of the University.

PHILIP JOHN HARRISON, A. B., Registrar and University Publisher.

ELLERY WILLIAM DAVIS, Ph. D., Dean of the College of Arts and Sciences and Head Professor of Mathematics. Administration Hall 104.

LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Head Professor of the English Language and Literature.

GROVE ETTINGER BARBER, A. M., Head Professor of Roman History and Literature.

HOWARD WALTER CALDWELL, A. M., Head Professor of American History.

CHARLES EDWIN BESSEY, Ph. D., LL. D., Head Professor of Botany.

LAWRENCE BRUNER, B. Sc., Head Professor of Entomology.

JAMES THOMAS LEES, Ph. D., Head Professor of Greek History and Literature.

LAURENCE FOSSLER, A. M., Head Professor of the Germanic Languages and Literatures.

ERWIN HINCKLEY BARBOUR, Ph. D., Head Professor of Geology, and Curator of the University Museum.

FRED MORROW FLING, Ph. D., Head Professor of European History.

*WILLIAM GEORGE LANGWORTHY TAYLOR, A. B., LL. B., Head Professor of Political Economy and Commerce.

GEORGE WASHINGTON ANDREW LUCKEY, Ph. D., Head Professor of Education.

PROSSER HALL FRYE, A. B., Head Professor of Rhetoric.

GEORGE ELLIOTT HOWARD, Ph. D., Head Professor of Political Science and Sociology.

HARRY KIRKE WOLFE, Ph. D., Head Professor of Philosophy.

* On leave of absence, 1910-1911.

CHARLES FORDYCE, Ph. D., Dean of the Teachers College and Head Professor of Educational Theory and Practice.

CLARA CONKLIN, A. M., Professor of Romance Languages and Literatures.

ALBERT LUTHER CANDY, Ph. D., Professor of Pure Mathematics.

ROBERT HENRY WOLCOTT, A. M., M. D., Professor of Zoology.

GOODWIN DE LOSS SWEZEY, A. M., Professor of Astronomy.

WILLIAM FRANCIS DANN, A. M., Professor of the History and Criticism of the Fine Arts.

EDGAR LENDERSON HINMAN, Ph. D., Professor of Logic and Metaphysics.

BURTON EVANS MOORE, Ph. D., Professor of Physics.

CARL CHRISTIAN ENGBERG, Ph. D., Professor of Applied Mathematics.

CLARENCE AURELIUS SKINNER, Ph. D., Professor of Physics.

PAUL HENRY GRUMMANN, A. M., Professor of Modern German Literature.

JOHN EDWIN ALMY, Ph. D., Professor of Experimental Physics.

MILLER MOORE FOGG, A. M., Professor of Rhetoric.

RAYMOND GUSTAVUS CLAPP, Ph. D., M. D., Professor of Physical Education and Director of Athletics.

GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Economic Geology.

WILLIAM ALBERT WILLARD, Ph. D., Professor of Histology and Embryology.

HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology.

*BENTON DALES, Ph. D., Professor of Analytical Chemistry.

AUGUST ERNEST GUENTHER, Ph. D., Professor of Physiology.

EDWIN MAXEY, D. C. L., Ph. M., Professor of Public Law and Diplomacy.

HUTTON WEBSTER, Ph. D., Professor of Social Anthropology.

HARTLEY BURR ALEXANDER, Ph. D., Professor of Philosophy.

JASPER LEONIDAS MCBRIEN, A. M., Director of University Extension Work.

* In charge of the Department of Chemistry.

GEORGE OLIEN VIRTUE, Ph. D., Professor of Political Economy and Public Finance and Acting Head of the Department of Political Economy and Commerce.

HALSEY E. YATES, Captain 17th Inf., U. S. A., Professor of Military Science and Tactics.

JOSEPH HORACE POWERS, Ph. D., Professor of General and Experimental Zoology.

LOUISE POUND, Ph. D., Associate Professor of the English Language and Literature.

GUERNSEY JONES, Ph. D., Associate Professor of American History.

*CHARLES WILLIAM WALLACE, Ph. D., Associate Professor of the English Language and Literature.

CLARK EDMUND PERSINGER, A. M., Associate Professor of American History.

FREDERICK AMES STUFF, A. M., Associate Professor of the English Language and Literature.

FRANKLIN DAVIS BARKER, Ph. D., Associate Professor of Zoology.

WILLIAM CHARLES BRENKE, Ph. D., M. Sc., Associate Professor of Mathematics.

LUCILE EAVES, M. Sc., Ph. D., Associate Professor of Practical Sociology.

GEORGE ANDREW LOVELAND, A. M., LL. B., Associate Professor of Meteorology, and Observer United States Weather Bureau.

LEON EMMONS AYLSWORTH, A. M., Associate Professor of Political Science.

PHILO MELVYN BUCK, Jr., A. M., Associate Professor of Rhetoric.

AMANDA HENRIETTA HEPPNER, A. M., Assistant Professor of the Germanic Languages and Literatures.

CHARLES M. HECK, A. M., Assistant Professor of Physics.

FREDERICK WARREN SANFORD, A. B., Assistant Professor of Roman History and Literature.

ELDA REMA WALKER, Ph. D., Assistant Professor of Botany.

RAYMOND JOHN POOL, A. M., Assistant Professor of Botany and Curator of the Herbarium.

* On leave of absence.

- NELS AUGUST BENGTON, A. M., Assistant Professor of Geography and Economic Geology.
- MYRON HARMON SWENK, A. M., Assistant Professor of Entomology.
- ANDREW D. SCHRAG, Ph. D., Assistant Professor of German.
- CARRIE BELLE RAYMOND, Director of Music.
- SARKA HRBKOVÁ, A. B., Adjunct Professor of Slavonic Languages.
- MARY LOUISE FOSSLER, A. M., Adjunct Professor of Chemistry.
- SARA SHEWELL HAYDEN, Adjunct Professor of Technique of Fine Arts, and Director of School of Fine Arts.
- HARRIETT ALICE HOWELL, A. M., Adjunct Professor of Elocution.
- JULIA KORSMEYER, A. M., Adjunct Professor of the Romance Languages and Literatures.
- LAURA BELLE PFEIFFER, A. M., Adjunct Professor of European History.
- ALICE CUSHMAN HUNTER, Ph. D., Adjunct Professor of Roman History and Literature.
- SHERLOCK BRONSON GASS, A. B., Ph. B., Adjunct Professor of Rhetoric.
- GEORGE BORROWMAN, A. M., Adjunct Professor of Chemistry.
- MILTON D. BAUMGARTNER, A. M., Adjunct Professor of German.
- GEORGE HEMAN WALKER, M. D., Adjunct Professor of Anatomy.
- GEORGE ASBURY STEPHENS, Ph. D., Adjunct Professor of Political Economy.
- OLENUS LEE SPONSLER, A. B., Adjunct Professor of Botany and Forestry.
- ADDISON ERWIN SHELTON, A. M., Lecturer in Political Science.
- JOHN MARTIN CHOWINS, Expert Mechanician, Department of Physics.
- BERTRAM JOHN SPENCER, Demonstrator and Teacher of Construction in Physics.
- HENRIETTA McELROY BROCK, Instructor in China Painting.
- MAY CHAMBERLAIN, A. M., Instructor in the Germanic Languages and Literatures.
- AUGUST HAGENOW, Instructor of the Band.
- MARGUERITE CAMERON McPHEE, A. M., Instructor in Rhetoric.
- INA ESTELLE GITTINGS, A. B., Instructor in Physical Education and Director of Women's Gymnasium.

HENRY T. JOHNSON, Ph. D., Instructor in Mathematics.

ELIZABETH IRENE REESE, A. M., Instructor in Romance Languages and Literatures.

LEVA BELLE WALKER, A. M., Instructor in Plant Pathology.

DAISY JEANNETE NEEDHAM, A. M., Instructor in European History.

FRANCIS J. PERUSSE, Ph. C., Instructor in Pharmacology.

OSCAR LEONARD BARNEBEY, A. M., Instructor in Chemistry.

CLARENCE EMERSON, Ph. D., Instructor in Bacteriology and Pathology.

MINNIE THROOP ENGLAND, Ph. D., Instructor in Political Economy.

LULU L. RUNGE, Instructor in Mathematics.

JOSEPH ALEXIS, Instructor in Swedish and German in Germanic Languages.

ELIZABETH R. BENNETT, Instructor in Mathematics.

MARY CATHERINE GRAHAM, A. B., Assistant Instructor in Chemistry.

MABEL HAYS, A. B., Assistant Instructor in English.

CARRIE ADELINE BARBOUR, B. Sc., Assistant Curator of the University Museum.

WALTER GARFIELD HILTNER, B. Sc., M. D., Demonstrator in Anatomy.

HENRY PETER WEKESSER, M. D., Demonstrator in Anatomy.

Fellows, Scholars and Graduate Assistants

SELMA S. ANDERSON, Fellow in Greek.

LOREN G. ATHERTON, Fellow in Zoology.

VIOLA F. BARNES, A. M., Fellow in English Language and Literature.

ANNIS SARAH CHAIKIN, A. B., Fellow and Assistant in Greek.

IVA ERNSBERGER, Fellow in Mathematics.

GEORGE WASHINGTON HANN, B. Sc., Fellow in Mathematics.

MARGARET L. HANNAH, Fellow in Botany.

EUGENE S. HEATH, Fellow in Botany.

HELMA L. HOLMES, Fellow in Mathematics.

DELLA ELIZABETH INGRAM, A. M., Fellow in Botany.

ADA M. JONES, Fellow in Romance Languages.

S. PAUL JONES, Fellow in German.

AURELIA KOCH, Fellow in Botany.

- JOHN FREDERICK KRUEGER, A. M., Fellow in Political Science.
ANNA MAUDE LUTE, B. Sc., A. B., Fellow in Botany.
FLORENCE S. McCONNELL, Fellow in English Language and Literature.
MARGARET HELEN McLEAN, Fellow in Mathematics.
DOROTHEA MAYLAND, Fellow in German, Assistant in Educational Theory and Practice.
*CANDIS NELSON, A. B., Fellow in American History.
EARL BURDETTE NEWTON, Fellow in Zoology.
MABELLE ZOE NIMS, Fellow in Philosophy.
FRANCIS J. PIPAL, Fellow in Botany.
JENNIE LOUISE PIPER, A. B., Fellow in American History, Assistant in Educational Theory and Practice.
SARAH AGNES RYAN, A. M., Fellow in German.
ECK FRANK SCHRAMM, A. M., Fellow in Geology.
CARRIE M. STETTLER, A. B., Fellow in American History.
EMMA J. SWEZEY, Fellow in Romance Languages.
CONSTANCE SYFORD, Fellow in English Language and Literature.
WARREN S. THOMPSON, Fellow in Philosophy.
JOHN E. WEAVER, Fellow in Botany.
JOHN MERRIAM ALEXANDER, A. B., Assistant in Political Economy.
CLAUDIUS EDMUND BENNETT, B. Sc., Assistant in Physics.
PAUL D. FOOTE, Graduate Assistant in Physics.
RALPH LOWELL GEORGE, B. Sc., Assistant in Physics.
LOYD ANCILE JONES, B. Sc. in E. E., Assistant in Physics.
LEWIS BERTIE OLMSTEAD, B. Sc., Assistant in Physics.
ALICE PURINTON, B. Sc., Assistant in Physics.
*VIOLA F. BARNS, A. B., Scholar in English Language and Literature.
EDITH ANITA GRIMM, A. B., Scholar in Latin.
RAYMOND H. KENDRICK, Scholar in American History.
GERTRUDE KINKAIDE, A. B., Scholar in Romance Languages.
*FLORENCE S. McCONNELL, Scholar in English Language and Literature.
JESSIE McCULLUM, Scholar in Chemistry.

* For 1909-1910.

EDGAR M. MEDLAR, B. Sc., Scholar in Zoology.

CLAUDE W. MITCHELL, Fellow in Zoology.

ESTELLE MORRISON, Scholar in Rhetoric.

ERIC VON NUSBAUM, Scholar in Political Science.

*JENNIE LOUISE PIPER, A. B., Scholar in American History.

*CARRIE M. STETLER, A. B., Scholar in American History.

*JOHN E. WEAVER, Scholar in Botany.

CLIFFORD W. WELLS, Scholar in Histology.

SEARLE S. DAVIS, A. B., Assistant in Rhetoric.

SAMUEL ARTHUR MAHOOD, B. Sc., Assistant in Chemistry.

WELDEN HARRISON WARREN, A. B., Assistant in Chemistry.

CORA BELLE HILL, A. B., Assistant in Mathematics.

JOHN TORRENCE TATE, B. Sc., Assistant in Physics.

GEORGE PAUL LUCKEY, A. B., Assistant in Physics.

LELAND J. BOARDMAN, Assistant in Physics.

Standing Committees

Course of Study—Professors Fossler (chairman), Skinner, Wolfe, Lees, For-
dyce, Frye.

Assignment to Recitations and Laboratories—Professors Engberg (chair-
man), Aylsworth, Barker, Bengtson, Borrowman, Gass, Heck, Johnson,
Persinger.

* For 1909-1910.

THE COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is the oldest of the colleges of the University. It offers four years of undergraduate instruction leading to the degree of Bachelor of Arts or Bachelor of Science. Its chief object is a liberal education, but by a system of "advisers" and "major subjects" it permits of vocational specialization, especially in junior and senior years. In addition, students desiring to combine a liberal arts course with the technical one of law, medicine, or engineering, are offered six-year combined academic and technical groups of study leading to the degree of bachelor of arts or of bachelor of science at the end of four or five years and to the degree of bachelor of law, doctor of medicine, or bachelor of science in engineering at the end of the sixth year.

ADMISSION TO THE COLLEGE OF ARTS AND SCIENCES

Entrance Credits. For admission to the freshman year of the College of Arts and Sciences, a student must present 30 high school entrance credits or "points."* Conditional admission is permitted on a minimum of 24 credits or "points."

Required Entrance Subjects (17 points).† Of the 30 points required for admission, 17 must be presented from the following subjects in the amount indicated; the time element is essential:

	Points
Algebra (thru logarithms), 1½ years, 5 hours a week.....	3
Rhetoric and Literature, 2 years, 5 hours a week.....	4
Geometry (plane), 1 year, 5 hours a week.....	2
History (European), 1 year, 5 hours a week.....	2
Language (Latin 2 years at least), 3 years, 5 hours a week.....	6

Optional Entrance Subjects (13 points).† In addition to the above required subjects, for which no substitutes will be accepted, candidates must present 13 points from the following subjects, in not more than the amount indicated:

* An entrance credit or "point" is given for the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses a credit "point" is given for three recitations and two double periods of laboratory work (under the supervision of a competent instructor) each week for at least eighteen weeks.

† See page 29 for new table of entrance requirements, effective after September 1, 1911.

	Points
Agriculture	1
Solid Geometry, $\frac{1}{2}$ year, 5 hours a week.....	1
Trigonometry (plane), $\frac{1}{2}$ year, 5 hours a week.....	1
Rhetoric and Literature, 1 year, 5 hours a week.....	*2
French, 1 to 3 years, 5 hours a week.....	2 to 6
German, 1 to 3 years, 5 hours a week.....	2 to 6
Greek, 1 to 3 years, 5 hours a week.....	2 to 6
Latin, 1 or 2 years, 5 hours a week.....	2 to 4
History (American or European), 1 or 2 yrs., 5 hrs. a week.....	1 to 4
Natural Science (Botany, Zoology), 1 year, 5 hours a week.....	1 or 2
Normal Training	1
Physical Science—	
Chemistry, 1 year, 5 hours a week.....	1 or 2
Physics, 1 year, 5 hours a week.....	1 or 2
†Senior Reviews	1
Astronomy.....	} Not more than four accepted..... 4
Civics.....	
Geology.....	
Physical Geography.....	
Physiology and Hygiene.....	
Political Economy.....	
Bookkeeping.....	

Entrance from Accredited Schools. Graduates from “accredited” secondary schools (see p. 31) are admitted to the College of Arts and Sciences without entrance examinations in duly certified subjects. All others must be prepared to take entrance examinations in subjects in which they desire entrance credits.

Advanced Standing. Candidates from other universities, or from colleges whose requirements for admission and for graduation are equal to those of this University, are, on presenting to the Registrar certified statements of their standing therein, admitted to the same standing in this University; but such alien credit can, in no case, extend to more than three-fourths of the credits required for graduation from the University. Candidates from colleges whose requirements for admission are not equal to those of this University receive proportionally less credit, but are given reasonable opportunity to make up the work wherein they are deficient. Holders of diplomas from scientific, engineering, agricultural and other colleges whose undergraduate work is based upon much lower preparation than that required in this University are given full credit for that part

* Four optional points are allowed only to schools named by the accredited schools committee.

† Credit granted only to Normal Training high schools.

of their work found preparatory to the courses which they wish to enter here. They receive three-fourths credit for any other college work covered by the records which they present. A candidate may, at his option, waive the three-fourths credit thus allowed and take examinations for full credit. In all cases not here specified, the candidate, to receive credit for previous work, is required to pass an examination.

Adult Special Students. Persons at least twenty-one years of age, who do not fulfill the regular entrance requirements, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the general colleges as Adult Special Students under such conditions as shall be deemed wise in each individual case. Adult Special Students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for entrance. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult Special Student suspended for failure in University work may be readmitted only upon attaining regular undergraduate standing. No person is permitted to abuse the privilege of registering as an Adult Special Student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in military drill and physical training apply to Adult Special Students as well as to candidates for degrees. Students in the School of Fine Arts and in the affiliated School of Music, and teachers in the city schools may be admitted as Adult Special Students. Such candidates are required to offer satisfactory proof that they are prepared to do the work for which they wish to register.

Registration. Registration in the College of Arts and Sciences takes place during the first five days of each semester, from 9 a. m., Tuesday, to 5 p. m., Saturday.* To promote prompt registration, a fee of \$3.00 is charged any student who, unless excused by the Chancellor, seeks to register outside of these days.† A like fee of \$3.00 is charged for re-registration when made necessary by the student's fault; any change whatever in

* Graduate students and city teachers, however, may register at any time until the end of the week following the regular registration days.

† Properly prepared students who are unable to enter at the beginning of the year are admitted later; but all students who can possibly do so are urged to be present at the beginning of the year, as students entering later are at much disadvantage.

a registration once made being regarded as a re-registration. A student changing from one college to another must pay a new matriculation fee of \$5.00, and no student may make such a change without written permission to the Registrar from the dean of each college concerned. No student is allowed to drop any study for which he has been regularly registered, except by written permission from the dean of the college. No first-year student may register for more than 16 credit hours except with written consent of the dean, and then for a maximum of 18 hours. Second to fourth year students may register for 18 credit hours when their work has averaged at least 80 per cent the previous year. No first or second year student may register for more than one one-hour course (in addition to drill or physical education) in any one semester; and no third or fourth year student may register for more than two such courses in any one semester. A student cannot attend a class for which he is not registered, and no credit is granted for studies pursued without registration.

Fees. All fees must be paid to the Secretary of the University at the time of registration. The following fees are required of students in the College of Arts and Sciences:

Matriculation, on first registration only.....	\$5.00
Non-resident tuition, each semester.....	15.00
*Incidental, each semester.....	3.00
†Library, each semester.....	1.00
Diploma, on graduation.....	5.00
Special:	
Re-registration (including change in registration).....	3.00
Late registration (after registration week).....	3.00
Examination, each subject.....	1.00
Diploma, for degree taken <i>in absentia</i> , additional.....	10.00

Laboratory Fees. In addition to the foregoing general or miscellaneous fees, each student is required to pay the laboratory fee indicated below for each subject in which he is registered for laboratory work. These fees do not cover careless waste, breakage, or injury to apparatus. In any such case the student is required, upon notice by the department concerned, to pay the amount of such waste or damage at the secretary's office, and to present his receipt therefor to the department before his semestral credit is reported to the Registrar.

* In the six-year combined academic and technical groups (law, medicine and engineering), this fee is charged until such time as the candidate obtains his academic degree.

† No student paying a laboratory fee is required to pay this fee for the same semester.

Anatomy—Courses 15, 16, \$15.

Bacteriology and Pathology—Course 1, \$8; course 2, \$10; courses 3, 4, \$4.

Botany—Courses 1, 2, 15, 16, 21, 22, 25, 33, 35, 36, 37, \$2; courses A, 3, 4, 5, 6, 19, 20, 23, 24, \$3; courses 13, 14, 17, 18, \$1; courses 39, 40, 41, 42, 43, 44, 47, 48, 49, 50, for each credit hour a semester, \$1.

Chemistry—Courses A, B, 1, 2, 20, 21, 22, 34, \$5; courses 5, 15, 16, 23, 27, 41, \$2; course D, 1 and 2 combined, \$10; courses 7, 8, 39, 40, for each credit hour a semester, \$1; 3, 14, \$10.

Entomology—Courses 1, 2, 3, 4, 5, 6, 7, 8, 11, 12, \$2.

Geography and Economic Geology—Courses 1, 2, 5, 7, 8, 21, 22, 25, 26, 28, \$1.

Geology—Courses 1, 2, 13, 18, \$1; courses 15, 16, \$2.

Pharmacology—Courses 5, 6, \$3.

Philosophy—Course 11, \$1.

Physics—Courses 1, 2, 3, 4, 6, 7, 8, 15, 16, \$4; courses 1a, 2a, 3a, 4a, \$1; courses 1b, 2b, 3b, 4b, \$3.

Physiology—Courses 1, 2, \$5; course 12, \$9; course 13, \$6.

Zoology—Courses 1, 2, 7, 12, 14, 15, \$2; courses 3, 6, \$3; course A, \$4; course 9, \$6; course 10, for each credit hour a semester, \$2; courses A, 11, 12, \$4; courses 21, 22, 31, 36, \$1; courses 9, 10, 15, 17, 18, 25, 26, 27, 28, 43, for each credit hour a semester, \$1.

Histology and Embryology—Course 1, \$4 to \$6 (according to credit); courses 2, 13, \$3 to \$6 (according to credit); courses 11, 15, \$2; course 12, \$4; course 14, \$3.

Fees in courses chosen as “electives” from “Courses of Instruction” in another college are named in the exhibits of that college.

REQUIREMENTS FOR GRADUATION.

University Credits (125 hours). For the degree of Bachelor of Arts or Bachelor of Science, 125 University credit hours* are required. No student is recommended for a degree who is not within eighteen hours of this requirement at the beginning of his last semester.

Required Subjects (8 hours). Each candidate for graduation from the College of Arts and Sciences is absolutely required to complete the following subjects:

	Hours
Rhetoric (courses 1 and 2).....	4
†Military Science (men) or Physical Education (women).....	4

* A course receives one hour of credit for each one-hour recitation or lecture which presuppose two hours of preparation or for the equivalent of a three-hour laboratory period during each of the eighteen weeks of a semester.

† Only credibly attested physical disability, or conscientious scruples (on the part of parent in case of a minor), are accepted as excusing from the requirement in military science or physical education. Unless excused or

Optional Subjects (40 to 48 hours). In addition to the above, each candidate for the bachelor's degree is required to complete six out of the following eight groups of subjects, in the amount indicated, before the end of his third year; the two groups omitted cannot be in the same division (A, B, or C):*

	Hours
(1) The Mother Tongue.....	6
A (2) The Classics (Greek or Latin).....	10
(3) Modern Language (other than English).....	10
B (4) History or Sociology.....	6
(5) Philosophy or Economics	6
(6) Exact Science (Astronomy, Mathematics).....	10
C (7) Physical Science (Chemistry or Physics).....	6
(8) Biology (Botany or Zoology).....	6

Specialization (24 to 40 hours). Not later than the beginning of his second or sophomore year, each student in the College of Arts and Sciences must select some one department in which he is to take a "major" of not less than 24 nor more than 40 hours.†

Grades. After September 1, 1911, not more than 25 hours below a grade of 75 per cent. will be credited on requirements for graduation. After September 1, 1912, no student will be graduated until he has received credit for 125 hours with an average grade of at least 75 per cent.

retrieved by the Chancellor, each undergraduate man or woman must fulfill this requirement during the freshman and sophomore years. A failure to take military science or physical education during the required semester, unless retrieved in writing by the dean of the college in which the student is registered, increases the requirement one semester for each failure. A retrieve does not abridge or otherwise modify a student's requirement in military science or physical education save to defer the period for discharging it; and no retrieved person leaving the University without having discharged this requirement can claim honorable dismissal. A student excused from this requirement (whatever the reason) must still, in order to graduate, obtain the full number of hours credit required of other candidates for the degree sought. Thorough drill or physical education elsewhere than at the University may, as in the case of any other study, on evaluation, be credited to a student in lieu of a like amount of either subject at the University. Such credit by commutation, however, in no case exceeds a total of four hours.

* A subject from the groups taken in the student's first semester shall be continued in his second semester.

† A student may register in the six-year combined Academic-Law course in his senior year and elect not more than 24 hours in the College of Law as his major. (See the announcement of the College of Law.)

In Absentia Credit. All *in absentia* students must register the same as other students. For each credit hour granted, *in absentia* students (except in the department of University Extension) are required to perform the equivalent of 72 hours of actual work (this being one-third more than is required of students in residence) under the direction of a professor in the department chosen. Credit for *in absentia* work is granted only by a committee of three appointed by the senior dean, the chairman of the committee being the professor whose subject is immediately concerned. This committee examines the work of the *in absentia* student and makes a written report, to the Registrar, together with a statement of the amount of credit to be granted.

For Bachelor of Science Degree. Any student in the College of Arts and Sciences who majors in a scientific department and, of the 125 hours required for graduation, completes not less than sixty hours in mathematics and natural science may take the degree of Bachelor of Science instead of the degree of Bachelor of Arts.* Such students, however, shall complete six of the eight groups (A, B, or C).

Advisers. At the time of his first registration each freshman student in the College of Arts and Sciences is assigned to some member of the faculty who becomes his adviser during the freshman year. On the choice of a "major" department at the beginning of the second year, the head of the department thus chosen becomes the student's adviser for the remainder of his college course. No schedule of subjects or hours is valid for registration without the signature of the student's adviser. The dean of the college acts as a head adviser for all students within the college, and the adviser to women as a special adviser to all women students.

COURSES OF INSTRUCTION

The courses of instruction for the Graduate College, the College of Arts and Sciences and the Teachers College are grouped together, on later pages of this catalog, under the heading "Courses of Instruction."

* Students registered in the course formerly designated "General Scientific" may receive the degree of Bachelor of Science upon the completion of the requirements previously obtaining. Students who desire to receive the degree of Bachelor of Science in preparation for a course in medicine should consult the 6-year combined academic-medical course given in the announcement of the College of Medicine.

The Teachers College

CONTENTS

	PAGE
Officers of Administration and Instruction.....	72-74
The Teachers College.....	75
Admission to the Teachers College.....	76
Entrance Credits	76
Required Subjects	76
Optional Subjects	76
Advanced Standing	77
Adult Special Students.....	77
Registration	77
Advisers	77
Fees	77
Requirements for Graduation.....	77
University Credits	77
Required Subjects	77
Optional Subjects	78
Specialization	78
Bachelor of Science Degree.....	78
Residence	78
Nebraska Certification Laws.....	79
University Professional State Certificate.....	79
University Life Certificate.....	79
County Certificate without examination.....	79
County Certificate with less than complete examination.....	80
The University Teachers' Certificate.....	80
The University Certificate.....	80
The Emergency Certificate.....	80
Regents' Rules Regarding University Teachers' Certificates.....	81
Certification Committee	81
Bureau on Recommendation of Teachers.....	81
Departmental Requirements for Teachers' Certificates.....	81
The Teachers College Training School.....	81
Departmental Methods Courses.....	82
Special One-year and Two-year Teachers' Courses in Technical Subjects	83-85
Courses of Instruction.....	85

OFFICERS OF ADMINISTRATION AND INSTRUCTION

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

JAMES STUART DALES, M. Ph., Secretary of the University.

PHILIP JOHN HARRISON, A. B., Registrar and University Publisher.

CHARLES FORDYCE, Ph. D., Dean of the Teachers College and Head Professor of Educational Theory and Practice.

GEORGE WASHINGTON ANDREW LUCKEY, Ph. D., Head Professor of Education.

ALBERT ALISON REED, A. B., Inspector of Accredited Schools, Professor of Secondary Education.

ALBERT EUGENE DAVISSON, A. B., Head Professor of Agricultural Education, Principal of the School of Agriculture.

LUCIUS ADELNO SHERMAN, Ph. D., LL. D., Head Professor of the English Language and Literature, and Dean of the Graduate College.

GROVE ETTINGER BARBER, A. M., Head Professor of Roman History and Literature.

HOWARD WALTER CALDWELL, A. M., Head Professor of American History.

CHARLES EDWIN BESSEY, Ph. D., LL. D., Head Professor of Botany and Head Dean of the University.

LAWRENCE BRUNER, B. Sc., Head Professor of Entomology and Acting State Entomologist.

JAMES THOMAS LEES, Ph. D., Head Professor of Greek History and Literature.

LAURENCE FOSSLER, A. M., Head Professor of the Germanic Languages and Literatures.

ERWIN HINCKLEY BARBOUR, Ph. D., Head Professor of Geology, State Geologist, and Curator of the University Museum.

FRED MORROW FLING, Ph. D., Head Professor of European History.

CHARLES RUSS RICHARDS, M. E., M. M. E., Head Professor of Mechanical Engineering and Practical Mechanics, and Dean of the College of Engineering.

ELLERY WILLIAMS DAVIS, Ph. D., Head Professor of Mathematics and Dean of the College of Arts and Sciences.

*WILLIAM GEORGE LANGWORTHY TAYLOR, A. B., LL. B., Head Professor of Political Economy and Commerce.

PROSSER HALL FRYE, A. B., Head Professor of Rhetoric.

ARCHIBALD LOUIS HAECKER, B. Sc. A., Head Professor of Dairy Husbandry.

HOWARD REMUS SMITH, B. Sc., Head Professor of Animal Husbandry.

GEORGE ELLIOTT HOWARD, Ph. D., Head Professor of Political Science and Sociology.

HARRY KIRKE WOLFE, Ph. D., Head Professor of Philosophy.

ROSA BOUTON, A. M., Professor of Home Economics.

CLARA CONKLIN, A. M., Professor of the Romance Languages and Literatures.

ALBERT LUTHER CANDY, Ph. D., Professor of Pure Mathematics.

GOODWIN DE LOSS SWEZEY, A. M., Professor of Astronomy.

WILLIAM FRANCIS DANN, A. M., Professor of the History and Criticism of the Fine Arts.

ROLLINS ADAMS EMERSON, B. Sc., Professor of Horticulture.

CLARENCE AURELIUS SKINNER, Ph. D., Professor of Physics.

RAYMOND GUSTAVUS CLAPP, Ph. B., M. D., Director of Athletics, and Professor of Physical Education.

GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Economic Geology.

BENTON DALES, Ph. D., Professor of Analytical Chemistry, in charge of of the Department of Chemistry.

GEORGE OLIEEN VIRTUE, Ph. D., Professor of Political Economy and Commerce, and Acting Head of the Department of Political Economy and Commerce.

CLARK EDMUND PERSINGER, A. M., Associate Professor of American History.

FREDERICK AMES STUFF, A. M., Associate Professor of the English Language and Literature.

FRANKLIN DAVIS BARKER, Ph. D., Associate Professor of Zoology.

CARRIE BELLE RAYMOND, Director of Music.

* Absent on leave, 1910-1911.

- SARA SHEWELL HAYDEN, Director of the School of Fine Arts.
 HARRIETT ALICE HOWELL, A. M., Adjunct Professor of Elocution.
 LAURA BELLE PFEIFFER, A. M., Adjunct Professor of European History.
 JASPER LEONIDAS MCBRIEN, A. M., Director of University Extension Work.
 HERBERT BROWNELL, B. Sc., Professor of the Theory and Practice of the Teaching of the Physical Sciences and Superintendent of the Teachers College Training School.
 ROBERT HART WATSON, A. B., Supervisor in Teachers College Training School.
 ANNA MAY TIBBETS, A. M., Principal of the Teachers College Training School.

Assistants in the Teachers College Training School

- JENNIE LOUISE PIPER, A. B., American History.
 CORA B. HILL, Mathematics.
 DOROTHEA MAYLAND, A. B., German.
 *CHARLES D. BOHANAN, German.
 *BLANCHE GIVEN, Botany.
 *WILBER H. SIMONS, Mathematics.
 *ESTHER BAILEY, Laboratory Assistant in Physics.
 *MABELLE RAE McVEIGH, Latin.
 *IDA MAY MYATT, Mathematics.
 *CORALIE HENRIETTA MEYER, German.
 *BLANCHE KATHERYN SPERLING, Latin.

Standing Committees

- Course of Study—Fordyce, Barber, Dales, Luckey, Stuff.
 Schedule—Luckey, Conklin, Harrison, Wolcott.
 Advanced Standing—Lees, Condra, Candy, Fling.
 Teachers' Certificates—The Chancellor, Bessey, Davis, Fordyce, Luckey, Reed, Wolfe, Harrison (secretary).
 Credits on University Certificates—Fordyce, Harrison.
 Bureau of Recommendation of Teachers—Fordyce, Barber, Caldwell, Reed, Wolfe.
 Nominations—The Chancellor, the Dean.

THE TEACHERS COLLEGE

On February 14, 1908, the Board of Regents erected the University Department of Education into a Teachers College. This action was confirmed by an act of the state legislature in 1909.

The aim of this college is, while dealing with the history, theory and practice of teaching generally, to improve the quality of secondary teaching in particular, and to provide thoroughly prepared teachers for the secondary schools. The Teachers College aims to provide for the following classes of students:

(1) Well advanced and ambitious teachers wishing preparation for school superintendencies or professorships in colleges or normal schools. They may or may not wish the University Teachers' Certificate, may or may not care to work for advanced degrees.

(2) College students intending to teach, who wish the Bachelor's degree with or without the University Teachers' Certificate. Such candidates register in this college, specializing in education, and proceed as laid down under "Requirements for Graduation." The requirements for the Certificate are found under the caption "University Teachers' Certificate," on a later page.

(3) Men and women of college grade who design to teach agriculture in high or normal schools. For these a solid one year course is provided (see below), parts of which may, however, under advice, by such as so desire, be used with the more general studies toward a degree.

(4) Men and women not necessarily possessing so high attainments who call for preparation to teach agriculture in grade or rural schools. Below is exhibited a year of work carefully adapted to the wants of these.

(5) Persons preparing to teach special branches, such as physical or manual training, home economics, and so on. See the special one-year curricula listed below.

(6) Mature teachers in any department wishing by a longer or shorter period at the University to review studies, familiarize themselves with new methods, or master new branches. Such teachers should consult the Dean. They will find a year or even a semester of properly chosen work of great value.

The Dean of the Teachers College is also ex-officio head of the Bureau on Recommendation of Teachers. The direction of this Bureau, the inspection of accredited high schools, and the editorship of the University Journal are functions of the Teachers College. This college is also charged with the study of developing the work of instruction in agricultural pedagogy made possible by the so-called "Nelson Amendment" which became law at the end of the 59th Congress. The Teachers College Training School and the School of Agriculture serve as model secondary schools to the Teachers College.

ADMISSION TO THE TEACHERS COLLEGE

Entrance Credits. For admission to the freshman year of the Teachers College a student must present 30 high school credits or "credit points."* Conditional admission is permitted on a minimum of 24 credits or "credit points."

Required Subjects (17 points).† Of the 30 points required for admission, 17 must be presented from the following subjects in the amount indicated:

Algebra (thru logarithms), 1½ years, 5 hours a week.....	3
Rhetoric and Literature, 2 years, 5 hours a week.....	4
Geometry (plane), 1 year, 5 hours a week.....	2
History (European), 1 year, 5 hours a week.....	2
Language (Latin 2 years at least), 3 years, 5 hours a week.....	6

Optional Subjects (13 points).‡ In addition to these required subjects, for which no substitutes are accepted, applicants must present eleven points from the following optional subjects:

Agriculture	1
Solid Geometry, ½ year, 5 hours a week.....	1
Trigonometry (plane), ½ year, 5 hours a week.....	1
Rhetoric and Literature, 1 year, 5 hours a week.....	‡2
French, 1 to 3 years, 5 hours a week.....	2 to 6
German, 1 to 3 years, 5 hours a week.....	2 to 6
Greek, 1 to 3 years, 5 hours a week.....	2 to 6
Latin, 1 or 2 years, 5 hours a week.....	2 to 4
History (American or European), 1 or 2 years., 5 hrs. a week.....	1 to 4
Natural Science (Botany, Zoology), 1 year, 5 hours a week.....	1 or 2
Normal Training	1
Physical Science,	
Chemistry, 1 year, 5 hours a week.....	1 or 2
Physics, 1 year, 5 hours a week.....	1 or 2
§Senior Reviews	1
Astronomy.....	} Not more than four accepted..... 4
Civics.....	
Geology.....	
Physical Geography.....	
Physiology and Hygiene.....	
Political Economy.....	
Bookkeeping.....	

* See note at bottom of page 63.

† See page 29 for new table of entrance requirements effective after September 1, 1911.

‡ Four optional points are allowed only to schools named by Accredited Schools Committee.

§ Credit granted only to graduates of Normal Training High Schools.

Advanced Standing. Applicants who offer collegiate courses or professional courses from state normal schools in excess of the requirements for admission, may be assigned such advanced standing as may be determined by the credit committee; but in no case shall such credit be recognized unless it rest upon the pre-collegiate preparation afforded by a four-years course in an accredited high school.

Adult Special Students. Persons of proper age may be permitted to register unclassified on the same conditions as in the College of Arts and Sciences.*

Registration in the Teachers College takes place on the same days and under the same conditions as in the College of Arts and Sciences.*

Advisers. The Dean of the college is the general adviser for students in this college. The board of advisers in this college consists of the Dean and members of the faculty. The general system accords with the plan obtaining in the College of Arts and Sciences.† All candidates for degrees and for the University Teachers' Certificate consult the Dean before registering, that the grouping and correlation of their studies may be properly fixed. Special information concerning majors and minors in which the candidate wishes to specialize may be obtained from the heads of the departments concerned.

Fees in the Teachers College are the same as those in the College of Arts and Sciences, except that graduates taking the University Teachers' Certificate are charged an additional certificate fee of \$2.00.

REQUIREMENTS FOR GRADUATION

University Credits (125 hours). For the degree of Bachelor of Arts or of Bachelor of Science, 125 University credit hours‡ are required. No student is recommended for a degree who is not within eighteen hours of this requirement at the beginning of his last semester.

Required Subjects (14 hours). Each candidate for graduation from the Teachers' College is absolutely required to complete the following subjects:

* See page 65.

† See page 69.

‡ See note at bottom of page 67.

	Hours
Psychology	6
Rhetoric (courses 1 and 2).....	4
*Military Science (men) or Physical Education (women).....	4

Optional Subjects (40, 44 or 48 hours). In addition to the above, each candidate for the bachelor's degree is required to complete six out of the following eight groups of subjects, in the amount indicated, before the end of his third year the two groups omitted cannot be in the same division (A, B, or C):†

	Hours
(1) The Mother Tongue	6
A (2) The Classics (Greek or Latin).....	10
(3) Modern Language (other than English).....	10
B (4) History	6
(5) Sociology or Economics.....	6
(6) Exact Science (Astronomy, Mathematics).....	10
C (7) Physical Science (Chemistry or Physics).....	6
(8) Biology (Botany or Zoology).....	6

Specialization (65 hours). Either included in the foregoing, or in addition thereto, the candidate for graduation from the Teachers College must complete the following:

	Hours
Education (professional or technical work).....	15
Major and minor subjects (specialization).....	40

No major subject may be less than 16 hours, and no minor subject less than 12 hours. The 40 hours may be divided between two majors or one major and two minors. Major and minor subjects should be closely allied.

For Bachelor of Science Degree. Students in the Teachers College who take their major in a scientific department and, of the 125 hours required for graduation, complete in all sixty hours in mathematics and natural science, in addition to military science (4 hours) and rhetoric (4 hours), may receive the degree of Bachelor of Science instead of that of Bachelor of Arts. Such students, however, shall complete six of the eight groups (A, B, or C).

Residence. At least one year's resident work is required of all candidates for graduation from the Teachers College.

* The same rules and regulations as to military drill or physical education hold in the Teachers College as in the College of Arts and Sciences (see page 67, note).

† A subject from the groups taken in the student's first semester shall be continued in his second semester.

NEBRASKA CERTIFICATION LAWS

The laws of the state of Nebraska concerning the certification of teachers contain the following provisions:

University Professional State Certificate. "That all graduates of the University of Nebraska holding the degree of bachelor of arts or bachelor of science, and in addition thereto, certificates authorized by the board of regents showing that such graduates have completed the course of instruction prescribed by the regents and faculty of said university, for the special training and instruction of teachers, and such other graduates as hold the same degrees from any college or university duly incorporated under the laws of the state of Nebraska, who, in the judgment of the state superintendent of public instruction, have completed in their respective institutions an equivalent of the courses in the state university, for said degrees prescribed by the regents and faculty of said university, shall be accredited as qualified teachers within the meaning of the school law of this state; and all such graduates shall have equal privileges, upon equal conditions, with graduates from any and all other educational institutions within this state under the school law thereof. Said certificates are hereby declared to be valid as certificates of the first grade to teach in the public schools of the state of Nebraska for a period of three years from their date" (Sec. 1a, subd. IX, S. L. 1905).

University Life Certificate.* "After three years of actual teaching, the certificates of the graduates of the University of Nebraska, or of any other college or university mentioned or described in section 1a of this act, shall be counter-signed by the state superintendent of public instruction upon satisfactory evidence that the services of the applicant have been successful; Provided, that said counter-signature may be cancelled and its legal effect annulled by the superintendent of public instruction upon satisfactory evidence of disqualification; Provided, further, that such certificates shall be subject to the provisions for lapsing set forth in Section 4, Subdivision 9, of Chapter 79 of the Compiled Statutes of Nebraska for the year 1899" (Sec. 1b, subd. IX, S. L. 1905).

County Certificate without examination. On college graduation, with experience or professional training. "The county superintendent may, at his discretion, grant a first-grade certificate, without examination, to a graduate of a college, university, or state normal school, subject to such

* See the announcement in the College of Agriculture concerning the Teachers' Certificate in Home Economics or in Agriculture.

rules and regulations as may be prescribed by the state superintendent of public instruction'' (Sec. 11, subd. IXa, S. L. —). The following requirements have been prescribed by the state superintendent governing the issuance of this certificate: (1) One year's successful experience in teaching; or (2) Four hours of school management; four hours in general methodology; and four hours in elective work in history of education, child study, school hygiene, educational psychology, or other pedagogical subjects.

County Certificate, with less than complete examination. "Graduates who have not had one year's experience or taken the aforesaid twelve hours in professional training will be required to take the regular teachers' examination in reading, arithmetic, grammar, geography, United States history, drawing, orthography, penmanship, mental arithmetic, and theory and art of teaching. Graduates who cannot present a college or university credit in algebra, botany, geometry, physics, agriculture, civics, English composition, bookkeeping and physiology, equal to that required at the University of Nebraska for full entrance to the freshman year in the institution, will be required to take in addition the regular teachers' examination in said subjects."

THE UNIVERSITY TEACHERS' CERTIFICATE

The University Certificate is granted only to graduates of the Teachers College and only to such graduates as (1) maintain an average of at least eighty (80) per cent. in their undergraduate work, and (2) show special fitness for teaching. As indicated in the previously quoted extract from the Nebraska certification laws, it entitles its holder to teach in any high school in Nebraska, and after three years' successful experience may be converted into a life certificate by the endorsement of the state superintendent.

The Emergency Certificate. On recommendation of a committee consisting of the Chancellor of the University, the Dean of the Teachers College, and the Inspector of Secondary Schools, a first-grade three-years' certificate is granted by the University Board of Regents to such students as find it necessary temporarily to leave the University to teach. This Emergency Certificate is granted on the following conditions: Applicants must have completed two full years of collegiate work (not less than 60 hours) above the accredited four-year high school and including eight hours of professional work in Principles of Education or Educational Classics (3 hours), Child Study (3 hours), Methods of School Management (2 hours), or equivalents acceptable to the Committee on University Teachers' Certifi-

cate; must have devoted one-half year to observation and practice of teaching; and must have taken 6 hours of Botany, or 6 hours of Zoology, or 4 hours of Elementary Physiology (preferably in the freshman year), and 3 hours of Psychology (not earlier than the sophomore year). The certificate will not be granted unless the applicant's collegiate grades average 80 per cent or above. The holder of this Emergency Certificate will not be recommended to teach in accredited high schools. Emergency Certificates may be granted by any college of the University, provided the conditions enumerated above have been fulfilled.

Regents' Rules regarding University Teachers' Certificates. (1) Each candidate for a teachers' certificate shall submit to the State Superintendent of Public Instruction, for his approval, a detailed report showing the academic and professional preparation of the candidate, including both secondary and collegiate courses, properly authenticated by the Registrar of the University of Nebraska and the dean of the college in which the student is matriculated. (2) Teachers' certificates issued by the University of Nebraska shall contain a full record showing the amount and the character of the student's work, secondary and collegiate, as shown by the records of the Registrar's office.

Certification Committee. All general questions relating to the student's work for the Teachers' Certificate are under the supervision of the Teachers' Certificate Committee as named in the standing committees of the Teachers College. Recommendations for certificate are made to the Faculty of the Teachers College through this committee.

Bureau on Recommendation of Teachers. The University maintains a bureau under the direction of a committee, to assist students and graduates in securing positions as teachers and at the same time to aid superintendents and boards of education in providing schools with competent and suitable teaching talent. For information address the Secretary of the Bureau on Recommendation of Teachers.

Departmental Requirements for major and minor recommendations for the Teacher's Certificate may be found at the beginning of departmental exhibits under "Courses of Instruction."

THE TEACHERS COLLEGE TRAINING SCHOOL

The Training School. The Teachers College Training School, located in the University Temple, is a distinctive feature of the University Teachers College. Besides seven large, attractive class rooms and a commodious assembly hall, there are cloak and toilet rooms and ample library

and laboratory equipments for a modern school. Here a limited number of youth of high school rank are under the direction and tuition of the Head Professor of Educational Theory and Practice, a skilful principal, supervisor and assistant instructors.

Senior Observation and Practice in the Training School. The Training School serves first as a model secondary school for instruction according to the most advanced methods, and secondly as a place for the study of practical problems in teaching and school administration. Seniors in the Teachers College are required to observe the conduct of the model school and to make a critical study of its educational aims, values and processes, the results of which are summarized and discussed in the class rooms. When the student has become familiar with the pedagogical work of the class observed he is required to select material and organize subject matter in lessons and assist in instruction; but in no case is a student teacher permitted to instruct in a subject that has not been made by him a major subject in University work.

Special Training School Methods Courses. Several departments in the Teachers College also offer special methods courses in which they parallel their class-room theoretical work with practice work in the Training School. For the year 1910-1911 such work is offered in the following courses: American History 12, English Language and Literature 30*a* and 30*b*, German 19, Mathematics 9, Physics 16, Roman History and Literature 43. See "Courses of Instruction."

Lincoln City Schools. In addition to this model Training School maintained and controlled by the Teachers College, excellent facilities for observation of expert teaching are afforded by the city schools of Lincoln.

A tuition fee of \$12.50 a semester is charged each pupil registered in the Teachers College Training School.

DEPARTMENTAL METHODS COURSES

Many of the departments of the Teachers College offer special courses giving instruction as to methods of teaching the subject matter peculiar to those departments. With the approval of the head professor of Educational Theory and Practice, two hours of such departmental method work in the student's major subject may be substituted for two hours of the required work in education. Courses of this kind offered for the current year may be found as follows under "Courses of Instruction": Agricultural Education 2; American History 12; Botany 33; Chemistry 29; English Language and Literature 30*a* and 30*b*; European History 45 and 46; Fine Arts

1; German 19; Greek History and Literature 41, 17, 18; Home Economics 13, 14, and 19; Mathematics 9; Music 1; Physical Education 17 and 18; Physics 16; Physiology 1 and 2; Pharmacodynamics 5; Rhetoric 32; Roman History and Literature 43 and 44; Romance Language 11 and 12; Zoology 1 and 2, and 36 (Nature Study).

SPECIAL ONE-YEAR AND TWO-YEAR TEACHERS' COURSES IN TECHNICAL SUBJECTS

One-year Teachers' Course in Agriculture, for high school and normal school teachers. Given on the campus. College work with laboratory practice. This course in Agriculture and closely related subjects, taking up a solid year of study, is intended for high or normal school teachers and others preparing to become such, who, for any reason, find it impossible to take the course for the degree of Bachelor of Science in Agriculture, which lays a more ample foundation. This one-year course consists of college work and presupposes attainments sufficient to place the applicant in a first college year. Competent teachers passing in this course will be prepared to teach agriculture in any high or normal school or academy.

FIRST SEMESTER

Teachers' Course in Agriculture.....	5 hours
(1) Agronomy, 7 weeks, 5 hours a week, (2) Horticulture, 7 weeks, 5 hours a week, (3) Dairying, 7 weeks, 5 hours a week, (4) Anatomy and Physiology, 7 weeks, 5 hours a week, (5) Animal Husbandry, 7 weeks, 5 hours a week.	
Botany	3 hours
Chemistry or Physics.....	3 hours
General Zoology	2 hours
Forestry	2 hours
Agricultural Geology	2 hours
Manual Training	5 hours (practice only)

SECOND SEMESTER

Teachers' Course in Agriculture.....	5 hours
(1) Agronomy, 7 weeks, 5 hours a week, (2) Horticulture, 7 weeks, 5 hours a week, (3) Dairying, 7 weeks, 5 hours a week, (4) Anatomy and Physiology, 7 weeks, 5 hours a week, (5) Animal Husbandry, 7 weeks, 5 hours a week.	
Botany	3 hours
Chemistry and Physics	3 hours
Agricultural Economics	4 hours
Entomology	2 hours
Manual Training	5 hours (practice only)

One-year Teachers' Course in Agriculture for grade and rural teachers. Given at the University Farm. Begins October 31, 1910, ends April 21, 1911. Applicants must have passed or be able to pass in the subjects required for a second grade certificate except agriculture.

FIRST TERM

	Class Hours	Practice Hours
Animal Husbandry	2	1
Horticulture	3	1
Crops	3	1
Soils	2	1
Dairying	2	1
Plant Pathology	1	
Home Economics	2	2
History and Economics	2	
Anatomy and Physiology of Farm Animals....	2	
Manual Training		2

SECOND TERM

Animal Husbandry	2	1
Horticulture	3	1
Crops	3	1
Soils	2	1
Dairying	2	1
Plant Pathology	1	
Home Economics	2	2
History and Economics	2	
Manual Training		2
Sanitation of Farm Buildings.....	2	

Two-year Home Economics Course for students who desire to teach for a time. To complete this course in two years a student must have two points entrance credit in Chemistry.

FIRST YEAR

	1st Semester Hours	2d Semester Hours
Home Economics 1 and 2 (Sewing and Design).....	2	2
Home Economics 3 and 4 (Food selection and preparation)	3	3
Chemistry 1 and 2.....	2	2
Botany, or Zoology.....	3	3
Rhetoric 1 and 2.....	2	2
Physical Training	1	1
Electives	2	2
	<hr/> 15	<hr/> 15

SECOND YEAR	1st Semester	2d Semester
	Hours	Hours
Home Economics 5 and 6 (Advanced Cookery).....	3	3
Home Economics 13 and 14 (Teachers' Course).....	2	2
Manual Training	1	1
General Psychology (1 and 2).....	3	3
Physical Training	1	1
*Education	3	3
*Electives	2	2
	15	15

One-year Teachers' Course in Manual Training. Mechanical Engineering courses 1, 2, 3 and 4; Applied Mechanics courses 9, 10 and 24.

One-year Teachers' Course in Physical Training. Physical Training courses 3, 5, 6, 10, 17, 18, 19, 20, 35, 36, 21, 22, 23, 24, 13, 14, 15 and 16.

One-year Teachers' Course in Drawing and Modeling. For those wishing to qualify for supervisorship in Drawing. By Adjunct Professor Hayden. (1) Elementary—Drawing from still life and geometric objects in outline and shade. Elements of perspective. (2) Intermediate—Constructive Drawing and use of patterns. Elements of pictorial composition illustrated by arrangements of still life and landscape in line, light and dark and color. Theory and practice of design with application to textiles, block printing, stencilling, etc. (3) Antique—Heads and figures from casts in outline and light shade. (4) Sketching from Life—Advanced work in design and composition, including color.

One-year Teachers' Course in Oral Reading, Public Speaking, and Dramatic Interpretation. Required courses for the University Teachers' Certificate in this subject. Rhetoric courses 43, 44, 37, 38, or 37*a* and 38*b* (alternating with 37 and 38), 39, 40.

COURSES OF INSTRUCTION

Both the technical or professional and the general courses of instruction for the Teachers College are grouped with those for the Graduate College and the College of Arts and Sciences, in the section of the catalog immediately following ("Courses of Instruction"). The five technical or professional departments appear under the general heading of "Education Courses."

* The courses in Education must include: Principles of Education or Educational Classics (3 hours), Child Study (3 hours), Methods of School Management (2 hours).

Courses of Instruction

in

The Graduate College, The College of Arts and Sciences,
and The Teachers College

CONTENTS

PAGE	PAGE
Agricultural Pedagogy (See Educational Courses).....	114
American History	89
Anatomy	95
Anthropology (See Political Science)	169
Astronomy	95
Bacteriology and Pathology.....	98
Biometry (See Mathematics).....	144
Bohemian (See Slavonic).....	188
Botany	99
Cadet Band (See Military Science).....	145
Chemistry	104
Chorus	146
Commerce (See Political Economy)	160
Crystallography (See Geology).....	127
Drill (See Military Science).....	145
Economic Geology (See Geography)	127
Embryology (See Histology).....	139
Field Geology (See Geography).....	127
Education	108
Educational Courses	108
Educational Psychology	110
Educational Theory and Practice.....	111
Elocution (See Rhetoric).....	179
English Language and Literature.....	115
English-American History (See American History)	94
Entomology	120
Ethics (See Philosophy).....	148
European History	123
Extension (See University Extension)	189
Fine Arts (See Greek).....	138
French (See Romance Languages).....	187
Geography and Economic Geology.....	127
Geology	126
Germanic Languages and Literatures	131
Greek History and Literature.....	136
Histology and Embryology.....	139
History, American	89
History, European	123
Italian (See Romance Languages).....	187
Jurisprudence and Public Law.....	140
Latin (See Roman History).....	180
Lithology (See Geology).....	127
Mathematics	142
Métaphysics (See Philosophy).....	149
Military Science	145
Mineralogy (See Geology).....	127
Musie	146
Nature Study (See Zoology).....	200
Pathology (See Bacteriology).....	98
Pharmacology	146
Philosophy	147
Physical Education	152
Physics	156
Physiology	159
Political Economy and Commerce.....	160
Political Science and Sociology.....	167
Psychology	148
Public Law (See Jurisprudence).....	141
Rhetoric	175
Roman History and Literature.....	180
Romance Languages and Literatures	186
Secondary Education	114
Slavonic	188
Sociology (See Political Science).....	167
Spanish (See Romance Languages).....	187
Swedish (See Germanic Languages)	135
University Extension	189
Zoology	195

Explanatory Note

Courses included between brackets [] are not given in 1910-1911.

Students must consult advisers before registering.

Students registered in the College of Agriculture, College of Engineering, College of Law, College of Medicine and the School of Pharmacy are privileged to select courses from the following departments which may apply as electives in regular courses of study.

Likewise, students registered in the Graduate College, the College of Arts and Sciences, and the Teachers College may select courses from the departments exhibited in the colleges named above.

AMERICAN HISTORY

Head Professor Caldwell, Associate Professor Persinger, Associate Professor Jones, Professor Maxey

GENERAL INFORMATION

Order of Courses.—Courses 1, 2, 3 and 4 (American), 29 and 30 (English), are general or introductory, and 1 or 29 should usually be taken first by students entering the department. Those wishing to specialize or prepare for teaching should take the first four in order; but those above the Freshmen year who have time for only one year's work may take 3 and 4 alone. Before registering for advanced courses, students are recommended to advise with instructor.

Specialization.—Students expecting to specialize in the department are advised to take, as early in their University work as possible, the general courses in European history, political science and sociology, and political economy. Those intending to specialize in debating, political economy and political science and sociology, are advised by these departments to take as early as possible the general courses in American history. Those specializing in preparation for law, journalism, business, or government service, are also advised to consult with the head of the department before registering.

Teachers' Certificate.—Recommendations for the University Teachers' Certificate are given by the department as follows: (1) Major in American history (20 hours)—Courses 1, 2, 3, 4 and 12 required; other 6 hours elective and may include English-American history 29 and 30. (2) Major in American and English history (24 hours): American history, 14 hours—Courses 1, 2, 3, 4, and 12; English-American history, 10 hours—Courses 29 and 30 required, remaining four hours elective. (3) Major in American history and political science and sociology (24 hours): American history, 12 hours—Courses 1, 2, 3, and 4; political science and sociology, 12 hours—Courses 1, 2 and 3, and remaining 5 hours elective on consultation. (4) In "history": American history as a major, 16 to 24 hours; as a minor, 12 hours. (5) In other branches with American history as a minor: American history, 12 hours—Courses 1, 2, 3 and 4.

GRADUATE WORK

Objects.—Graduate work in the department of American history affords opportunity to prepare for any one of the following four lines of work:

(1) The teaching of American history in the best high schools of Nebraska

and adjoining states, and in seminaries, academies, and colleges. (2) Fellowships or instructorships in the older and larger universities. (3) Investigational work in corporate, state, or national service. (4) Historical research and writing.

Time.—From one to three (or more) years may be given to this preparation, under the direct advice and assistance of the instructors in the department, and culminating in the degrees of Master of Arts and Doctor of Philosophy. There are also exceptional opportunities for study in the collateral subjects of English and European history, political science and sociology, and political economy and commerce.

Facilities.—The University, State, and State Historical Society libraries afford a wide range of original material for work along many lines of historical investigation. Graduate students have free access to all these libraries, and in addition have for their use a seminary room in which are placed all books needed in their particular lines of research. Books not already on the shelves will be purchased or obtained from other libraries when necessary for thesis or other advanced work. Special seminary courses are offered; and investigation in the history of Nebraska and other states on the plains region will be undertaken and the results published from time to time.

General Requirements.—Undergraduate Courses 1 to 4 and 29 and 30 do not count toward a higher degree, but these or their equivalents and a fair knowledge of general history must be presented by candidates for advanced degrees.

Requirements for Master of Arts.—Work for the Master's degree may be taken in the department as follows: (1) All the work for the degree, including the thesis, in the department. The minimum requirement is one full year's work, including a satisfactory thesis. (2) A major (60%) and the thesis in this department, and the remainder in either one or two other departments. (3) A double minor (40%) or a single minor (20%) in this department, and a major and the thesis in some other department. In any case, the particular courses to be taken are arranged by the candidate and his instructors in such manner as to conform to the plans and preparation of each applicant.

Requirements for Doctor of Philosophy.—The minimum for the degree of Doctor of Philosophy is three full years of graduate work, including the presentation of a satisfactory thesis. The work must be taken in at least two departments and may include three. For a major, 60 per cent. of the time must be given to this department; for a double minor, 40 per cent.; and for a single minor, 20 per cent. The thesis in all cases goes with the

major. The particular courses to be pursued are arranged on consultation between the candidate and the heads of the departments in which his work is to be taken. Those taking a major in this department are expected to have a good general knowledge of European history and a fair acquaintance with the principles of political economy, public law, political science, and sociology. The thesis must show a reasonable degree of original research and independent treatment.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **Colonial Period, 1492-1763**—European discovery of and rival colonizations in America; development and institutions of the English colonies; relation to each other and to the mother country; French and Indian War. Three hours attendance. Three hours credit. First semester.

Associate Professor Persinger

2. **Revolutionary Period, 1763-1783**—Continuation of 1, but open to new students. Constitutional and political relations of colonies and mother country in 1763; causes and results of revolution and independence; beginnings of state and national governments. Three hours attendance. Three hours credit. Second semester. Associate Professor Persinger

3. **Early National Period, 1783-1820**—Formation and interpretation of constitution; foreign affairs and war of 1812; beginning of slavery struggle—the Missouri compromise; political issues. Not open to first-year students. Three hours attendance. Three hours credit. First semester.

Head Professor Caldwell

4. **Later National Period, 1820-1861**—3 continued; open to those who have had 3 and also to seniors. Development of state sovereignty; nullification; annexation of Texas; war with Mexico; annexation of territory; slavery struggle. Three hours attendance. Three hours credit. Second semester.

Head Professor Caldwell

12. **Teachers' Course**—Practical preparation for teaching of American history in Nebraska schools. History in the school curriculum; equipment, qualifications of a teacher, methods, aids; practice work in outlining and map making; observation and practice work in the Teachers College Training School and the Lincoln high school. Required of seniors expecting a teacher's major in American history; may be substituted for Education general methods course. One hour attendance; one hour observation and practice. Two hours credit. Second semester.

Associate Professor Persinger

[14. **Nebraska History**—Explorations of the Nebraska region; Indianessions and treaties; territorial organization and politics; statehood; constitutional, political, industrial and social evolution as a state; relation of Nebraska history to national history. Open to advanced students on consent of instructor. Two hours attendance. Two hours credit.]

Not given in 1910-1911.

COURSES FOR UNDERGRADUATES AND GRADUATES

5. Secession, Civil War and Reconstruction, 1860-1877—The Civil War; its effects; the problem of reconstruction; impeachment of President Johnson; politics to 1877. Prerequisite: At least one year's work in the department. Two hours attendance. Two hours credit. First semester.
Head Professor Caldwell

6. The New Nation—Reorganization; social and industrial problems; expansion. Two hours attendance. Two hours credit. Second semester.
Head Professor Caldwell

7. The American Negro, Slave and Free—Origin, growth, conflict over, and decline of slavery in America; rise and fall of "negro equality"; the negro problem. Prerequisite: One year's work in the department or special permission of the instructor. Three hours attendance. Three hours credit. First semester.
Associate Professor Persinger

8. History of American Political Parties—Colonial foundations and Revolutionary beginnings; origin, course, and influence of the great parties since 1783; analyses of platforms and votes; third-party movements and their effects. Prerequisite: Courses 3 and 4 or special permission of instructor. Two hours attendance. Two hours credit. Second semester.
Associate Professor Persinger

9. Industrial History of the United States—A non-technical study of the rise and development of the leading American industries, especially since 1783. Two hours attendance. Two hours credit. First semester.
Associate Professor Persinger]

Not given in 1910-1911. Given in 1911-1912.

[10. Public Lands Policy and Laws of the United States since 1789—Introduced by brief study of the "westward movement"; mainly a tracing of national laws and policy in regard to agricultural, mineral, grazing, forest, irrigated and other public lands; some attention paid to development of state policies as to public lands. Intended primarily for those who will have practical use for information derived from the course. Two hours attendance. Two hours credit. Second semester.
Associate Professor Persinger]

Not given in 1910-1911. Given in 1911-1912.

[11. External Expansion—European rivalries in America; making of the United States; diplomacy, politics, and geography of the various acquisitions; development of system of government and administration for territories and dependencies. Prerequisite: One year's work in the department or special permission of the instructor. Three hours attendance. Three hours credit. First semester.
Associate Professor Persinger]

Not given in 1910-1911. Given in 1911-1912.

[15. Constitutional History of the United States—Origin of the Union and federal system; confederation and its failure; constitution-formation and interpretation; growth of unwritten constitution; develop-

ment through amendments, custom, and judicial decisions. Two hours attendance. Two hours credit. First semester. Head Professor Caldwell]
Not given in 1910-1911.

[16. **Constitutional History of the United States**—15 continued. Two hours attendance. Two hours credit. Second semester.
Head Professor Caldwell]

Not given in 1910-1911.

22. **American Diplomacy**—Organization of Department of State and of diplomatic service. Methods. Problems and controversies growing out of them. Change in our diplomatic policy. Two hours attendance. Two hours credit. Second semester.
Professor Maxey

18. **Spanish America**—Brief review of Spanish colonial development in the Americas, Spanish-American independence, and diplomatic relations with the United States; more detailed study of present Spanish-American institutions, conditions, and opportunities. Intended especially for those looking forward to consular, diplomatic, or commercial service in Spanish-American states. Open to advanced students only. Two hours attendance. Two hours credit. Second semester.
Associate Professor Persinger

[19. **Political History of the Tariff**—Colonial tariffs; retaliation and reciprocity; rise of economic protection; tariff laws, arguments for and against; sectional and political character. Two hours attendance. Two hours credit. First semester.
Head Professor Caldwell]
Not given in 1910-1911.

[20. **American Financial History**—The public debt and its management; public revenue, origin and history; governmental expenditures; banking and money. Treated from political rather than economic point of view. Two hours attendance. Two hours credit. Second semester.
Head Professor Caldwell]

Not given in 1910-1911.

COURSES PRIMARILY FOR GRADUATES

23. **Seminary in American National History**—For 1910-1911 the topic for investigation will be the formation, workings, interpretation, and results of the Missouri compromise from 1818 to 1861. For graduate students, except on permission of the instructor. Two hours attendance. Credit varies. First semester.
Professors Caldwell and Persinger

24. **Seminary in American National History**—23 continued. Second semester.

27. **Bibliography of American History, 1000-1783**—A required course for all graduate students majoring in the department; recommended to all other graduate students in the field of American history. One hour attendance. One hour credit. First semester.
Associate Professor Persinger

28. **Bibliography of American History, 1783-1909**—Same as 27.
Head Professor Caldwell

37. **Conference**—Meeting of professors, fellows, scholars and graduate majors for discussion of professional or technical subjects, book reviews, methods, etc. No credit. First semester.

38. **Conference**—37 continued. Second semester.

English-American History

COURSES PRIMARILY FOR UNDERGRADUATES

29. **English History (until 1603) leading up to American Colonization**—English feudalism; church and state; formation of the English nation; development of Parliament; rise of cities and the agrarian revolution; the new monarchy; Renaissance, discoveries, and abolition of papal jurisdiction; the Reformation. Character of English society at moment of American settlement. Three hours attendance. Three hours credit. First semester. Associate Professor Jones

30. **Modern English History (after 1603) as related to American History**—Puritan revolution; revolution of 1688 and rise of the cabinet; struggle for colonial supremacy; the House of Hanover and the American revolution; influence of the French Revolution; social reforms; democracy and empire; successive emigrations to America. Three hours attendance. Three hours credit. Second semester. Associate Professor Jones

31. **Contemporary History**—Recent political events in Great Britain, Germany, France, Italy and Russia, and the relations of these countries to the United States. History and present status of European alliances: Morocco; the Balkan question. Open to juniors and seniors and adult special students. Two hours attendance. Two hours credit. First semester. Associate Professor Jones

32. **Contemporary History**—American commercial and colonial expansion in the Americas and the Orient: The South American states; Cuba, Porto Rico, the Philippines; Canada; Mexico and Central America; China, Japan and the Far Eastern Question. Open to juniors and seniors and adult special students. Two hours attendance. Two hours credit. Second semester. Associate Professor Jones

COURSES FOR UNDERGRADUATES AND GRADUATES

[33. **The Renaissance as Preparatory to American Discovery**—Effects of classical revival in literature and art; political transformation of Europe; science and invention; expansion of commerce; discovery and explorations. Two hours attendance. Two hours credit. First semester. Associate Professor Jones]

Not given in 1910-1911.

[34. **Puritanism in England and America**—Protestant Reformation; Puritan Revolution; rise of sects in America. Two hours attendance. Two hours credit. Second semester. Associate Professor Jones]

Not given in 1910-1911.

35. Seminary—A topic in English-American Relations. Open to graduates and to advanced students on permission of instructor. Two hours attendance. Two hours credit. First semester.

Associate Professor Jones

36. Seminary—A topic in English-American Relations. Open to graduates and to advanced students on permission of instructor. Two hours attendance. Two hours credit. Second semester. Associate Professor Jones

ANATOMY

(See "Anatomy," College of Medicine)

Professor Poynter

The following course in Anatomy is offered for students in the Normal Training Course in Physical Education. It must be preceded by Zoology 1, 2 and 7, and permission to enter the course must be secured from the head of the department before registration. No credit can be given for the course in the College of Medicine.

15. Anatomy for Students of Physical Training—A course designed to acquaint students of physical training with a general knowledge of the human body and a more detailed knowledge of the muscular system, the peripheral vessels and nerves, and the viscera. Two hours quiz. Six hours laboratory, with demonstrations. Three hours credit. First semester.

Professor Poynter

16. Anatomy for Students of Physical Training—15 continued. Second semester.

ASTRONOMY

Professor Swezey, Assistant Professor Loveland, Assistant Professor Brenke

GENERAL INFORMATION

The Astronomical Observatory with its telescope and other instruments furnishes to elementary students an opportunity to study at first hand the more interesting heavenly bodies. They are given some practice in such exercises as finding accurate time by the stars, determining the latitude of the Observatory, and recognizing with the spectroscope the various elements present in the sun and stars. For advanced work the telescope is equipped with photographic, photometric and spectroscopic appliances; the meridian circle, zenith telescope, transit instrument, and sidereal clock and chronometers furnish facilities for the more important problems in the astronomy of precision.

The location on the campus of the United States Weather Bureau with its self-registering instruments and its daily compiling and printing of a weather map, add much interest to the study of meteorology. A complete series of the daily weather maps for many years furnish original data for all sorts of climatological studies.

For the Teachers' Certificate the following is the requirement for a major, courses 5, 6, 7, 8, 15 and 16; for a minor, courses 4, 4a, 5, 6, 7, 8.

GRADUATE WORK

Master of Arts.—Any of the courses offered to graduates and comprising six hours credit may constitute a minor for a student who takes two minors for his degree. Any two such courses may be taken as a single minor. Two such courses and a thesis constitute a major.

Doctor of Philosophy.—The department does not undertake major work for this degree, but the courses offered for the degree of Master of Arts may be chosen as minors by candidates for the doctorate taking their majors in other departments.

COURSES PRIMARILY FOR UNDERGRADUATES

Meteorology

1. **Practical Meteorology**—A brief survey of the subject with special attention to its use in every day life. One hour attendance. One hour credit. First and second semesters. Assistant Professor Loveland.

2. **General Meteorology**—The earth's atmosphere, including composition and extent, temperature, moisture, dew, frosts, clouds, precipitation, winds, and storms. Lectures, readings and laboratory work in constructing weather maps and making forecasts. Course 1 not prerequisite, but may be taken with course 2. Two hours attendance. Two hours credit. First and second semesters. Assistant Professor Loveland

3. **Weather Forecasting**—Laboratory course in study of storms and principles of forecasting. Organization and work of weather services of the world. Prerequisite: Course 2. One hour attendance. One hour credit. Second semester. Assistant Professor Loveland.

General Astronomy

Courses designed to give such a knowledge of astronomy as every educated person should possess. They involve no difficult mathematical calculations, but include many simple exercises in plotting the positions and motions of the heavenly bodies. Some use of the telescope, spectroscope and other instruments of the observatory.

4. **Descriptive Astronomy: the Solar System**—Lectures, illustrated with lantern, on various astronomical subjects; collateral readings and exercises. One hour attendance. One hour credit. First semester. Professor Swezey

4a. **Descriptive Astronomy: the Sidereal Universe**—Similar to Course 4, but may precede it. One hour attendance. One hour credit. Second semester. Professor Swezey

5. **Elementary Astronomy**—Open to beginners, but students may take courses 4 or 4a with it if desired. Text-book, illustrated lectures, readings and exercises. Two hours attendance. Two hours credit. First and second semesters. Professor Swezey

6. **Elementary Astronomy**—Course 5 continued. Second semester.

7. **Advanced Astronomy**—A more extended course, for which course 5-6 is prerequisite. Three hours attendance. Three hours credit. First semester. Professor Swezey

8. **Advanced Astronomy**—7 continued. Second semester.

COURSES FOR UNDERGRADUATES AND GRADUATES

Climatology

11. **Climatology**—Climates of different parts of the world. Causes of these differences. Prerequisite: Course 2. One hour attendance. One hour credit. One or two additional hours credit may be secured by further work in the study of the climates of selected localities. First semester. Assistant Professor Loveland

12. **Climatology**—11 continued. Second semester.

Practical Astronomy

Involves the use of instruments of precision. For teachers or specialists in astronomy or engineering. Courses 4 to 8 are not prerequisites, but would be a useful introduction.

15. **Spherical and Practical Astronomy**—Theory and use of telescope, transit instrument, meridian circle, and zenith telescope. Prerequisite: plane trigonometry. Three hours attendance. Three hours credit. First and second semesters. Professor Swezey

16. **Spherical and Practical Astronomy**—15 continued. Second semester.

17. **Field Astronomy for Engineers**—Methods of finding latitude, longitude, time and the meridian by means of transit. Three hours attendance. Three hours credit. First and second semesters. Associate Professor Brenke

18. **Geodetic Astronomy**—Methods of finding precise azimuths and latitudes, as employed by the U. S. Geodetic Survey. Involves the use of a theodolite equipped with micrometer microscopes. Three hours attendance. Three hours credit. Second semester. Associate Professor Brenke

Mathematical Astronomy

(Involving calculations, but not observations)

21. **Celestial Mechanics**—Requires the calculus. Three hours attendance. Three hours credit. First semester. Associate Professor Brenke

22. **Celestial Mechanics**—21 continued. Second semester.

BACTERIOLOGY AND PATHOLOGY

Professor Waite, Dr. Emerson

GRADUATE WORK

As requirements for registration in this department for advanced degrees the applicant must have completed work equivalent to that of a general scientific course in this University. The ability to read German and French is necessary. Before registration for an advanced degree the candidate must consult the head of the department.

Master of Arts.—Second minor: Courses 1, or 2a and 3, or 2a and 4. First Minor: Course 1 and its equivalent along some special line of research. Major: Advanced work following the courses outlined above with a thesis.

Doctor of Philosophy.—Minors: The minimum requirement will be the equivalent of six hours of class work approved by the head of the department. Major: The candidate must have a thorough knowledge of general bacteriology equivalent to that required for the degree of Master of Arts. In addition to this he must have pursued and completed some original problem and must embody the results of his work in a thesis. The minimum time requirement must be at least that required by the University for the degree.

1. General Bacteriology—Form, structure, manner of multiplication, reproduction, requirements of growth, and chemical products of bacteria. Relation of bacteria to fermentation and putrefaction and the means by which complex organic compounds are reduced to simple inorganic forms. Disinfection, sterilization, theories of immunity. Non-pathogenic and pathogenic forms. Four hours attendance. Eight hours laboratory. Four hours credit. First semester. Professor Waite, Dr. Emerson

2a. Elementary Bacteriology—An introduction to the study of bacteriology. The relation of bacteria to other organisms. Their morphology and structure, chemical composition, and chemical changes which they produce. Two hours attendance. Four hours laboratory. Two hours credit. Second semester. Professor Waite, Dr. Emerson

3. Dairy Bacteriology—Sources of bacteria in milk. Lactic and butyric acid fermentations, peptonizing, rennet-forming and butyric acid-producing bacteria. Abnormal fermentations giving rise to slimy, bitter, red, blue, yellow and green milk. Relation of milk to spread of tuberculosis, typhoid fever, and other diseases. Sterilization and pasteurization. Bacteria in butter making. Two hours attendance. Four hours laboratory. Two hours credit. First semester. Professor Waite, Dr. Emerson

Courses 3 and 4 must be preceded by either course 1 or 2a.

4. Agricultural Bacteriology—The nitrogen problem. Bacteria in ammoniacal fermentation, nitrification and denitrification. Bacteria as a means of reclaiming nitrogen lost from the soil. The employment of pure cultures in growing leguminous plants. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

Professor Waite, Dr. Emerson

BIOMETRY

(See Mathematics)

BOHEMIAN

(See Department of Slavonic)

BOTANY

Head Professor Bessey, Professor Wilcox, Assistant Professor Walker, Assistant Professor Pool, Adjunct Professor Sponsler, Miss Walker, Mr. Pipal, Miss Ingram, Mr. Weaver, Mr. Heath, Miss Hannah

GENERAL INFORMATION

Students entering upon undergraduate botanical work must take courses 1 and 2 or present an equivalent, and are recommended to take 3 and 4, especially in case of preparation for teaching the subject. After this nearly all of the courses are open to election, but students intending to make selections are requested to confer with the professors before doing so.

For the Teachers' Certificate in Botany the requirements are as follows: for a 20-hour major, courses 1, 2, 3, 4, 13, 14, 33; for a 16-hour major, courses 1, 2, 3, 4, and two or more hours preferably of 13, 14, 19 or 20; for a 12-hour minor, courses 1, 2, 3, 4, or 1, 2, 13, 14, 33.

Four laboratories,—general, advanced, physiological, and mycological,—on the main floor of Nebraska Hall, with the plant-house, provide working room for undergraduate students. Microscopes, paraffin ovens, culture apparatus, microtomes, and other apparatus are furnished as needed. The botanical store-room is stocked with chemicals, stains, glassware, and other supplies and apparatus.

See, also, Agricultural Botany.

The Botanical Seminar holds open meetings every two weeks for the reading of papers and discussion of botanical questions. To these meetings all students in the department are welcome. Membership in the Seminar is restricted to advanced students of Botany who after invitation succeed in passing the rather severe entrance examinations set for them.

GRADUATE WORK

Before formal registration for a degree for graduate work in this department the student must have satisfactorily completed General Botany (courses 1, 2, 3, and 4) and Plant Physiology (courses 19 and 20) or their equivalent, and one year of Zoology. He must also be able to read Latin, French, and German.

A research laboratory has been fitted up, with microscopes, microtomes, culture apparatus, etc., for the exclusive use of graduate students. The University Herbarium, of considerably more than 200,000 specimens, and the botanical library are open every work day of the week for study and

consultation. For certain lines of graduate work the department has photographic cameras and a dark-room. The department in connection with Agricultural Botany is prepared especially to offer graduate instruction in plant pathology.

Master of Arts.—Candidates may select from the following courses: Majors: Cytology, histology, courses 13 to 36 in systematic botany, mycology, plant ecology, plant pathology, economic botany; Minors: Any courses excepting 1, 2, 3, 4, A, 19 and 20.

Doctor of Philosophy.—Majors: Systematic problems, morphological problems, cytological problems, physiological problems, pathological problems; Minors: Any courses excepting 1, 2, 3, 4, A, 19 and 20.

COURSES FOR UNDERGRADUATES

A. General Botany

Required of all students intending to make a thorough study of the science.

1. General Botany—Introduction of structure of plants (cells, tissues, tissue systems). General morphology, physiology, and classification of representative species, including blue-green and green algae. Three hours lecture and additional readings. Four hours laboratory. Three hours credit. First semester.

Head Professor Bessey, Miss Walker, Mr. Pipal

2. General Botany—The general morphology, physiology and classification of representative species of brown algae to flowering plants. Three hours lecture and additional readings. Four hours laboratory. Three hours credit. Second semester.

Head Professor Bessey, Miss Walker, Mr. Pipal

3. General Botany—A more detailed study of the structure and classification of Myxophyceae to Carpomyceteae, with particular reference to their identification; cell-division, formation of the primary tissues and introduction to cytological technique. Three hours lecture. Eight hours laboratory. Four hours credit. First semester.

Assistant Professor Walker

4. General Botany—A similar study of Bryophyta to Anthophyta; their origin and relationships; spore formation and the development of the embryo. Three hours lecture. Eight hours laboratory. Four hours credit. Second semester.

Assistant Professor Walker

A. General Botany, for Teachers—Structure and activities of selected representatives of the great groups of plants, from the lowest to the highest. For those who expect to teach botany in high schools. Taken up in the sequence recommended to teachers in such schools. Four hours credit in General Botany. Registration after consultation with the professor. Equivalent to one-third of course 1, and the whole of course 2. Five lectures. Fifteen hours of laboratory work. Four hours credit. Summer Session.

Head Professor Bessey, Miss Walker

COURSES FOR UNDERGRADUATES AND GRADUATES

B. Special Botany**I. Histological Botany**

5. **Cytology**—Plant cell and karyokinesis in lower and higher plants with cytological technique. One hour lecture. Six hours laboratory. Two hours credit. First semester. Assistant Professor Walker

6. **Histology**—Tissues and tissue aggregates in higher plants, with the technique of staining and mounting. With special reference to woody plants. Must be preceded by 1 and 2. Two hours lecture. Eight hours laboratory. Three hours credit. Second semester.

Assistant Professor Walker

II. Systematic Botany

13. **Flowering Plants**—Principles of the classification of Monocotyledons and their particular application to the Grasses. Two hours lecture. Four to twenty hours laboratory work in the field and herbarium. Two to six hours credit. First semester.

Head Professor Bessey, Assistant Professor Pool

14. **Flowering Plants**—Principles of the classification of Dicotyledons and their particular application to the Composites. Otherwise as in course 13. Second semester. Head Professor Bessey, Assistant Professor Pool

15. **Mycology**—A survey of the development and present condition of our knowledge of fungi. Mycological literature. The general morphology of fungi, followed by a study of the special morphology, physiology, life history, and classification of the Phycomycetes, Ascomycetes, Basidiomycetes and Fungi Imperfecti. The origin and specialization of parasitism; heteroecism; symbiosis; mycorrhiza. Much time will be spent in the laboratory and field in acquiring a thorough knowledge of the various groups of fungi. The laboratory work familiarizes the student with the current histological technique for the preparation and detailed study of different fungous structures, as well as the diseased parts of infected plants. Three hours lecture. Eight hours laboratory and field work. Three hours credit. First semester.

Assistant Professor Pool, Miss Walker

16. **Mycology**—15 continued second semester. The rôle of fungi in the production of plant diseases receives special treatment in this course. The development and condition of our present knowledge of plant diseases. Pathological centers and the literature of plant diseases. Bacterial diseases; diseases caused by filamentous fungi; physiological diseases; epidemics; immunity and resistance; the relation of physical and climatic factors to the development and extension of plant diseases. The most typical and important diseases of our common cultivated plants is discussed in detail. The laboratory work familiarizes the student with modern pathological technique, including the preparation of the various culture media, the hanging drop culture, pure cultures, isolation and artificial inoculation. Three hours lecture. Eight hours laboratory and field work. Three hours credit. Second semester.

Assistant Professor Pool, Miss Walker

17. **Algae**—Classification of the blue-green, brown-green and yellow-green algae. Two hours lecture. Four to thirteen hours laboratory. Two to five hours credit. First semester. Head Professor Bessey

18. **Mosses and Ferns**—Herbarium and field study of the classification of the Bryophyta and Pteridophyta. Two lectures. Four to thirteen hours laboratory. Two to five hours credit. Second semester. Head Professor Bessey

23. **Advanced Mycology**—Study of a selected group of fungi, including morphology, development and classification. Two lectures or conferences. Four to thirteen hours laboratory. Two to five hours credit. Assistant Professor Pool.

24. **Advanced Mycology**—23 continued. Second semester.

25. **Forest Mycology**—An adaptation of courses 15 and 16 for students in horticulture and forestry. A review of the general morphology and physiology of fungi, followed by a detailed study of the morphology, physiology, development, and classification of the fungi which attack the leaves, stems and roots of woody plants, especially of forest trees. The rôle of fungi in the decay of timber; enzymes; parasitism; symbiosis; mycorrhiza, chromogenic fungi. Field trips for the recognition and the collection of material. Two hours attendance. Six hours laboratory and field work. Two hours credit. First semester. Assistant Professor Pool

35. **Dendrology**—Brief review of the morphology and physiology of the tree. Forest regions and forest types. Distribution. Economic importance. Detailed study of dendrological and silvical characteristics of about one hundred important forest trees. Two hours attendance. Four hours laboratory and field work. Two hours credit. First semester. Adjunct Professor Sponsler

36. **Dendrology**—35 continued. Three hours attendance. Six hours laboratory and field work. Three hours credit. Second semester.

III. Physiological Botany

19. **Plant Physiology**—An introductory study of the processes and functions of plants. Including imbibition; osmosis, absorption; the relation of the soil and of solutes to the plant; the movement of substances in the plant body; transpiration; guttation; bleeding; maintenance of bodily form; turgor secretion; waste products. Three hours attendance. Six hours laboratory. Three hours credit. First semester. Assistant Professor Pool

20. **Plant Physiology**—Photosynthesis; the question of the manufacture and assimilation of foods; stomatal relations; the nitrogen cycle; the storage and digestion of foods; respiration and fermentation; growth and movement with special reference to the influence of external factors upon these phenomena; irritability; stimulus and response; correlation, reproduction of plants; death. Three hours attendance. Three hours credit. Six hours laboratory. Second semester. Assistant Professor Pool

21. Plant Ecology—A study of the relation of plants to their environment. Adaptation; methods of studying vegetation; the quadrat method and other vegetational charts. The plant formation. The origin, development, structure and succession of plant formations; alteration and zonation. A quantitative study in the field of the factors of the habitat by means of ecological instruments. Designed to give a general view of the matter and methods of modern ecology. Prerequisites: Courses 19 and 20. Two hours attendance. Four to six hours laboratory and field work. Two hours credit. First semester. Assistant Professor Pool

22. Plant Ecology—A further test of the theories and of the methods of ecology in the field. Detailed field studies will be made in the prairie and salt-marsh formations about Lincoln, also of the mesophytic forest formations along the Missouri river. The plant formations and successions in various parts of the United States will also be treated. Prerequisites: Courses 19, 20 and 21. Two hours attendance. Four to six hours laboratory and field work. Two hours credit. Second semester. Assistant Professor Pool

IV. Technical Botany

33. Methods of Teaching Botany—Open only to those who have had courses 1 and 2 and at least four hours more of advanced Botany. Intended to help teachers in the grades, the high schools, and the colleges. Two lectures. Four hours laboratory. Two hours credit. First semester. Head Professor Bessey

37. The Study of Woods—Study of structure of important woods leading to identification and relation of structure to strength, weight, shrinkage, and other physical properties. Primarily for foresters; engineers may elect this course for two hours credit after consultation with the instructor. Prerequisite for foresters: Botany 6. Two hours attendance. Six hours laboratory. One hour reading. Three hours credit. First semester. Adjunct Professor Sponsler

COURSES FOR GRADUATES ONLY

(The student may register for any one of these courses year after year until the completion of his problem.)

39. Economic Botany—An advanced study of the uses of plants; the origin, distribution, and modifications of cultivated plants; and the systematic botany of the plants used by man. Open only to students who have had a sufficient training in systematic botany. Two to five hours credit. First semester. Head Professor Bessey

40. Economic Botany—39 continued. Second semester.

41. Systematic Problems—Assigned problems in the field and herbarium. Five or ten hours credit. First semester. Head Professor Bessey, Assistant Professor Pool

42. Systematic Problems—41 continued. Second semester.

43. **Morphological Problems**—Assigned problems in the morphology of a plant, or group of plants. Five or ten hours credit. First semester.

Head Professor Bessey, Assistant Professor Pool

44. **Morphological Problems**—43 continued. Second semester.

47. **Physiological Problems**—Assigned problems in field and laboratory. Five or ten hours credit. First semester.

Head Professor Bessey, Assistant Professor Pool

48. **Physiological Problems**—47 continued. Second semester.

49. **Pathological Problems**—Assigned problems in field and laboratory. Five or ten hours credit. First semester.

Head Professor Bessey, Professor Wilcox

50. **Pathological Problems**—49 continued. Second semester.

CHEMISTRY

Professor Dales, Adjunct Professor Mary Louise Fossler, Adjunct Professor Borrowman, Mr. Frankforter, Mr. Wilson, Miss Graham

GENERAL INFORMATION

Courses A, B, 1, 2, and 3, give a general knowledge of the aims, principles, and methods of the science. These courses, with 26 (or 44) and 29, fit students to teach chemistry in high schools and thus form a major for the Teachers' Certificate. They serve also as a foundation for a thorough and exact scientific training. In them the student is given a general survey of the field of chemistry, both inorganic and organic, including the nature of chemical processes and the use of chemical apparatus. Courses for Teachers' Certificate major may, on consultation with the head of the department, be reduced to 16 or 17 hours. Courses for the 12-hour Teachers' Certificate minor are to be chosen after similar consultation.

The following sequence of courses is recommended for students in the general groups who specialize in chemistry:

First year—Consult the head of department or associate in regard to registering for A and B, 1 and 2, or whether all four courses should be completed during the first year.

Second year—For students who have completed 1 and 2. Courses 3, 5, 7.

Third year—Courses 8, 13 or 34, 26 or 44.

Fourth year—Courses 15, 16, 21, 22, 25, 27 or 39, 40.

Courses A, B, 1, 2, 3, 5, 13 and 29 are primarily for undergraduates.

Courses 7, 8, 15, 16, 21, 22, 26, 27, 29, 39, 40 and 44 are for the following classes of students:

1. Undergraduates who specialize in chemistry.

2. Graduates, particularly those who select chemistry as a minor for advanced degrees.

GRADUATE WORK

Courses for advanced degrees usually lie in experimental chemistry and chemical theory, much latitude being allowed in respect to the exact topics. The attainment of a degree depends more upon the candidate's ability to think clearly and closely than upon the accomplishment of a fixed amount of work.

Master of Arts.—Minors: Four to six hours selected from courses 7, 8, 15, 16, 21, 22, 26, 27, 29, 39, 40 and 44 with consent of the head of the department. **Major:** Advanced work along one of the lines indicated by courses above named and a thesis.

Doctor of Philosophy.—Minors: Not less than six hours' class work selected by the candidate upon consultation with the head of the department. **Major:** Graduate study and the preparation of a thesis which shall mark an advance in knowledge along the line of the subject chosen. The exact time requirement cannot be given, but shall be at least the minimum required by the University for the degree. The candidate for the doctorate from this department must choose two minors from allied subjects.

General Chemistry

***A. General Chemistry—**This course is designed to give a general view of chemistry. The lectures are highly illustrated with experiments and the fundamental principles of the science are emphasized. The non-metallic elements are given special consideration. Three hours lecture. Four hours laboratory. Three hours credit. First semester.

Professor Dales, Mr. Wilson, Miss Graham

***B. General Chemistry—**Continuation of course A. Especial attention is given to the metallic elements, the more common organic compounds and the applications of chemistry to every day life. Prerequisite: Course A. Three hours lecture. Four hours laboratory. Three hours credit. Second semester.

Professor Dales, Mr. Wilson, Miss Graham

***D. The Non-metallic Elements—**Including the general principles of chemistry. The course is designed especially for those whose program of studies does not permit them to carry courses A and B before registering

* A and B are not to be confused with courses of the same designation previously given. These courses are designed to present the subject to students in the College of Arts and Sciences, and in the Teachers College. No previous training in chemistry is required. The course previously termed A is now replaced by course D, while the older B is now designated combined 1 and 2.

In general, students desiring to study chemistry, who enter the University with two points credit, should register for Chemistry 1. Students with less than two points are expected, unless advised otherwise, to register as follows: Those in the College of Arts and Sciences and in the Teachers College will register for Chemistry A. Students in the College of Agriculture, the College of Engineering, and the College of Medicine will register for Chemistry D.

for course 1. Such students will attend the same lectures as are given in course A and in addition one hour quiz at a time to be arranged. Three hours lecture. One hour quiz. Eight hours laboratory. Four hours credit. First semester. Professor Dales, Mr. Wilson, Miss Graham

29. Teachers' Course—Lectures and recitations on methods of teaching chemistry, including a review of the subject-matter to be taught in the high school. Prerequisite: Courses 1, 2, and 3. Two hours attendance. Two hours credit. First semester. Professor Dales

26. History of Chemistry—Lectures; the elaboration of an assigned topic by each student. Prerequisite: Courses 1, 2, and 3. Two hours attendance. Two hours credit. Second semester. Professor Dales

Given in 1911-1912 and alternate years thereafter.

28. Advanced Inorganic Chemistry—Elements discussed in order in which they occur in periodic table. Special consideration to the properties and interrelations of the groups. The rarer elements given detailed treatment. Lectures illustrated by experiments. Prerequisite: Courses 1, 2, and 3. Three hours attendance. Three hours credit. Second semester.

Professor Dales

44. Theoretical Chemistry—Principles and theories of general chemistry. Two hours attendance. Two hours credit. Second semester.

Professor Dales

Given in 1910-1911 and alternate years thereafter.

Analytical Chemistry

1. Qualitative Analysis—Elementary course required of technical and scientific students. Prerequisite: A and B, D, or 2 credit points. Two hours attendance. Four hours laboratory. Two hours credit. First semester. Adjunct Professor Borrowman, Mr. Wilson, Miss Graham

2. Qualitative Analysis—1 continued. An introduction to quantitative analysis is included. Elementary course required of technical and scientific students. Prerequisite: Course 1. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

Adjunct Professor Borrowman, Mr. Wilson, Miss Graham

1 and 2 (combined), **Qualitative Analysis**—Prerequisite: Same as Course 1. Four hours attendance. Eight hours laboratory. Four hours credit. Second semester.

Professor Dales, Mr. Wilson, Miss Graham

5. Qualitative Analysis—Study of characteristic reactions for the rarer elements and their application to analytical purposes; elementary spectroscopic analysis; dry way reactions. Prerequisite: Courses 1 and 2. Two hours lecture. Four hours laboratory. Two hours credit. First and second semesters. Professor Dales

7. Quantitative Analysis—Gravimetric determinations of the more important bases and acids, including complete analyses of ores, limestones,

and alloys. Prerequisite: Courses 1 and 2. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. First and second semesters. Mr. Wilson

8. **Quantitative Analysis**—7 continued. Volumetric analysis, electrolytic analysis, the sanitary analysis of water and the analysis of gases. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. First and second semesters. Mr. Frankforter

20. **Dental Chemistry**—Chemistry and metallurgy as applied to dentistry. Two hours lecture. Four hours laboratory. Two hours credit. Second semester. Adjunct Professor Borrowman

21. **Assaying**—Qualitative examination of ores. Blow-pipe and chemical tests for the common ores and minerals. Principles of fire assays for gold, silver, and lead in ores and metallurgical products. Prerequisite: Courses 1 and 2. Two hours lecture. Four hours laboratory. Two hours credit. First semester. Adjunct Professor Borrowman

22. **Assaying**—21 continued. Volumetric and gravimetric methods for the determination of silver, copper, zinc, lead, tin and iron. Two hours lecture. Four hours laboratory. Two hours credit. Second semester. Adjunct Professor Borrowman

39. **Advanced Analytical Chemistry**—A more extended study of chemical analysis than that offered in courses 7 and 8. Laboratory practice leading to analytical research. Six to fifteen hours laboratory. Two to five hours credit. First semester. Professor Dales

40. **Advanced Analytical Chemistry**—39 continued. Second semester.

41. **Toxicology**—Poisons; chemical nature, antidotes, and methods for detection. Prerequisite: Courses 1, 2, 3, 34. Two hours lecture. One hour quiz. Three hours laboratory. Two hours credit. First semester. Adjunct Professor Fossler

Organic and Physiological Chemistry

3. **General Organic Chemistry**—The important classes of organic compounds of the aliphatic and benzene series. Derivatives: Preparation of typical compounds. Prerequisite: Courses 1 and 2. Three hours lecture. Two hours quiz. Eight hours laboratory. Five hours credit. First semester. Adjunct Professor Fossler

15. **Organic Chemistry**—For students who desire a more extended knowledge of organic chemistry than that offered in course 3, or who wish to specialize. Prerequisite: Courses 1, 2, and 3. Three hours attendance. Four hours laboratory. Two hours credit. First semester. Chancellor Avery

16. **Advanced Organic Chemistry**—15 continued. Second semester.

34. **Physiological Chemistry**—Organic compounds and chemical processes of physiological importance. Useful in subsequent study of practical medicine. Prerequisite: Courses 1, 2, and 3. Three hours lecture. One hour quiz. Seven hours laboratory. Four hours credit. Second semester. Adjunct Professor Fossler

14. Food and Sanitary Chemistry—Chemical processes of nutrition; evaluation of foods, preservatives, cleansing agents, etc., with a practical laboratory course in food and water analysis, including analysis of flour, milk, oils, etc., also the detection of adulterants and impurities. Prerequisite: Courses 1, 2, and 3. Five hours lecture with demonstrations. Ten hours laboratory. Five hours credit. Second semester.

Adjunct Professor Fossler

43. Nitrogen Chemistry—An elective course of one hour lecture a week on the evolution of compounds of nitrogen, their properties, and products of dissociation. Prerequisite: General inorganic and organic chemistry. One hour credit. First semester. Adjunct Professor Fossler

Physical Chemistry

25. Physical Chemistry—Elementary course, the general principles of physical chemistry with applications to chemistry and to other sciences; designed for students in the Arts and Sciences and Medical Colleges. Prerequisite: Courses 1, 2, and 3. Two hours lecture. Two hours credit. First semester.

Professor Dales

27. Physical Chemistry—Laboratory course. Methods of most general application to chemistry. May be taken with or after course 25. Six hours laboratory. Two hours credit. First semester.

Professor Dales

Technical Chemistry

23. Engineering Chemistry—Required of all engineering students. Analysis of fuels, gases, boiler waters, Portland cement and iron. Prerequisite: Courses 1 and 2. Two hours lecture. Four hours laboratory. Two hours credit. First and second semesters.

Adjunct Professor Borrowman

EDUCATION COURSES

The technical or professional courses in the Teachers College are embraced in the following five departments: (1) Education, (2) Educational Psychology, (3) Educational Theory and Practice, (4) Secondary Education, (5) Agricultural Education. Certain prescribed groups from these courses are required for the university teachers' certificate, others for the emergency certificate, and still others for the county certificate (See "Nebraska Certification Laws," under "Teachers College"). Intending teachers should at the time of registration confer with the Dean of the Teachers College, that the courses may be properly arranged for the particular certificate sought.

I. Education

Head Professor Luckey, Mr. Jackson, Miss Daughters

GENERAL INFORMATION

The courses in Education are intended primarily for juniors, seniors and graduates, but are open to other students qualified to pursue them

with profit. The courses are arranged in sequence, and are most helpful when pursued in the order given. Students are advised to confer with the head of the department before registering.

GRADUATE WORK

The chief aim of the department of education in its graduate work, is to furnish opportunity to school officers, teachers, superintendents and public spirited citizens for advanced study and investigation of important problems in education. A secondary aim is to advance the profession of teaching.

Candidates for advanced degrees in education must have completed the professional requirements leading to the University Teachers' Certificate, or work in education equivalent thereto. Proficiency in one or more academic subjects taught in the high schools is also required.

Master of Arts Requirements.—Second Minor: Four hours class-room work for one year. First Minor: Six hours class-room work for one year, with assigned readings equivalent to a two-hour course. Major: At least six hours class-room work for one year, assigned readings and a thesis representing the equivalent of a six-hour course for one year.

The major for the master's degree may be taken as a minor for the doctorate. The number of hours required for major and minor, as given above, is only approximate, and cannot be relied upon unless the quality of the work is of high order.

COURSES

1. **History of Education**—Ancient and mediæval, beginning with the earliest periods and extending to the time of Pestalozzi. A study of the physical, moral and intellectual development of mankind, including man's efforts to realize his ideals through systems of education. Especially valuable as a foundation to advanced work in education. Three hours attendance. Three hours credit. First semester.

Head Professor Luckey, Mr. Jackson

2. **History of Modern Education**—From the time of Pestalozzi to the present, including the beginning, growth and present condition of education in America. Three hours attendance. Three hours credit.

Head Professor Luckey, Mr. Jackson

3. **Educational Classics**—A historical and critical study of the educational writings of Rousseau, Pestalozzi, Herbart, Froebel, and Spencer; a valuable preparation for course 4. Rousseau's *Emile*, Pestalozzi's *Leonard and Gertrude*, and Froebel's *Education of Man* are the subjects for 1910-1911. Three hours attendance. Three hours credit. First semester.

Head Professor Luckey, Miss Daughters

4. **Child Study**—The physiology and psychology of childhood, with reference to the pedagogical principles involved; the literature and investigations of special value to the teacher; the more important methods used in child study; the effect of child study on methods of instruction, school management and other subjects of practical pedagogy. This course covers

the development of the child for the first twelve years. It is a valuable foundation for the courses in adolescence. Three hours attendance. Three hours credit.

Head Professor Luckey, Miss Daughters

5. Systems of Education—Their origin and development, including a comparative study of the leading systems of education in Europe and America. Two hours attendance. Two hours credit. First semester.

Head Professor Luckey

6. School Hygiene—A seminary course devoted to the study of school environments and curricula in reference to their effect upon the health, growth and development of school children, including the location and sanitation of school buildings—light, heat, ventilation, furniture; medical inspection, school diseases, baths, and lunches; sleep, food, clothing, exercise, study, fatigue, recreation, and health of teacher and pupils. Two hours attendance. Two hours credit. Second semester.

Head Professor Luckey

7. Graduate Seminary—A study of current educational literature as found in the best periodicals; and a study of one or more educational problems of special interest to the teachers of Nebraska. Students will be directed in the preparation of theses that will lead to higher degrees in education. Open to seniors, and graduates who are working for higher degrees in education. One or two hours credit. First semester.

Head Professor Luckey

8. Graduate Seminary—7 continued. Second semester.

9. Adolescence—The health, growth, mental and moral development of youth as related to the various problems of secondary education, such as attendance, interest, habits of study, discipline, school spirit, ideals, character. An advanced course in child study especially adapted to secondary teachers, principals and superintendents. Prerequisite: Courses 1, 2, and 4. Two hours attendance. Two hours credit. First semester.

Head Professor Luckey

10. Adolescence—9 continued. Second semester.

II. Educational Psychology

In Charge of Head Professor Wolfe

The subjects in this and the preceding department are very closely related and should be studied together.

11. Educational Psychology—A practical study of the factors which influence the development of body and mind. Open to teachers and also to students in the last two years of their course who have had a semester of psychology. Two hours attendance. Two hours credit. Second semester.

Head Professor Wolfe

15. The High School—Evolution of secondary education, showing when the different studies of the curriculum, methods of teaching, and ideals came in, and their meaning and their adaptation to the life of the times.

Discussion of current high school problems in the light of this historical study and the study of adolescence. Special reference to public and private secondary schools in Nebraska. For those who wish to devote themselves especially to high school work or superintendence. Two hours attendance. Two hours credit. First semester. Head Professor Wolfe

16. **The High School**—15 continued, with more particular attention to the American high school. One or two hours attendance. One or two hours credit. Second semester. May be taken by qualified students without having taken 15. Head Professor Wolfe

17. **Philosophy of Education**—The principles underlying all education and their influence in determining the material curricula in schools of instruction. Lectures, discussions, and private readings. Two hours attendance. Two hours credit. First semester. Head Professor Wolfe

18. **Philosophy of Education**—17 continued. Second semester.

III. Educational Theory and Practice

Head Professor Fordyce, Professor Brownell, Miss Tibbets, Mr. Watson

GENERAL INFORMATION

The courses in this department are intended to offer the essential complement in practice to the theoretical courses in education; the intending teacher is introduced to the actual problems of the class-room through a study of the educational aims, values, and processes found in the Lincoln city schools and in the Teachers College Training School. When familiar with the conduct of these schools the candidate is required to select suitable material and organize it into a series of lessons and engage in actual instruction until his theories of education have settled into a system of rational practice.

GRADUATE WORK

Candidates for advanced degrees in this department should have completed the equivalent of the requirements for the University Teachers' Certificate. Minors and majors will be arranged, in harmony with the regulations of the Graduate College, on consultation with the head of the department.

COURSES FOR UNDERGRADUATES

19. **Educational Theory and Practice in the Elementary School**—The development and formulation of the principles of method as gained through lectures, assigned readings, and the study and discussion of the teaching process as observed in elementary schools; the preparation of lesson plans and practice in teaching. One hour daily during the semester must be arranged for observation and practice. Two hours attendance. Two hours credit. First semester. Head Professor Fordyce

20. **Educational Theory and Practice in the Elementary School**—19 repeated. Second semester.

21. Educational Theory and Practice in the Secondary School—Lectures and assigned readings on the principles and technique of high-school instruction. The practical work consists of a critical study of the aims and methods exemplified in the Teachers College Training School and in the Lincoln city schools. One hour daily during the semester must be arranged for observation and practice. Two hours attendance. Two hours credit. First semester. Head Professor Fordyce

22. Educational Theory and Practice in the Secondary School—21 repeated. Second semester.

NOTE.—A limited number who have had Education 21 or 22 are permitted to teach a class in the model high school during an entire semester, and a few during the entire year; such students rank as assistants in the Teachers College Training School. These assistants are required to meet in weekly conference for consideration of the concrete problems that arise in the class-room work. Application for enrollment in these courses should be made the preceding semester.

23. Practicum in the Methods of Educational Organization and Administration—This course is planned especially for superintendents and principals. It deals with the problems of organization and administration of public schools as viewed in the light of the prevailing systems in America. Among the topics considered are national and state control of education; the county, township, city and rural system; school building; play ground; the school as a social center; inter-relation of school boards, superintendents, principals, and teachers; supervision of instruction—the teaching staff, improvement of teacher in service; administration of secondary and elementary schools; education for defective and subnormal children; discipline, government, courses of study, grading and promotion. Open to seniors and graduates. Number of hours' credit depends upon work done. First semester. Head Professor Fordyce

24. Practicum in the Methods of Educational Organization and Administration—23 continued. Second semester.

25. School Management—An elementary course in the organization and management of elementary schools. For the accommodation of first and second-year students who desire to teach the following year. This course is not accepted as part of the requirement for the University Teachers' Certificate, although it meets the practical requirements for the first grade county certificate and for the University Emergency Certificate. Two hours attendance. Two hours credit. First and second semesters. Head Professor Fordyce

26. Supervision and Criticism of Instruction—Open to graduates and seniors who are planning to become principals or superintendents or supervisors of normal training classes. The course consists of a critical study of the concrete problems growing out of class-room work and is intended to be taken while the candidate is observing or teaching. Two to three hours credit. First and second semesters.

Head Professor Fordyce

Students fitting to be teachers of the physical sciences in high schools are expected to take the following courses:

27. Teachers' Course in Physics—(Course 15, Physics.) Lectures concerned chiefly with the selection, adaptation and organization of the subject-matter of a course in Physics for use in high schools generally, taking into account prevailing conditions. Manipulation of high school apparatus; glass work; repairing of apparatus. Two hours lecture. Six hours laboratory. Three hours credit. First semester.

Professor Brownell, Mr. Spencer

28. Teachers' Course in Physics—27 continued. (Course 16, Physics.) Second semester.

Professor Brownell, Mr. Spencer

29. Teachers' Course in Chemistry—(Course 29, Chemistry.) Concerned chiefly with the selection, adaptation and organization of the subject-matter for a course in Chemistry in high schools, together with the details of laboratory administration. Two hours attendance. Four hours laboratory. Two hours credit.

Professor Brownell

30. Teachers' Course in Chemistry—29 repeated. Second semester.

31. Methods in the Physical Sciences—A discussion of the matter and methods for science teaching, both in the high school and in the grades below, together with the adaptation of the same to the advancing stages of science teaching. Procedure in view of various difficulties likely to confront the teacher of science. Two hours attendance. Four hours laboratory. Two hours credit. First semester.

Professor Brownell

32. Methods in the Physical Sciences—31 repeated. Second semester.

33. Practice Course in Physical Science—Actual teaching for a semester of classes in high school sciences under critical supervision. Such teaching to follow a period of observation, and to be accompanied by duties in the laboratory as assistant. These duties include assistance to pupils in their laboratory work, correction of papers, care of the laboratory and its supplies, together with the various duties connected with laboratory administration. Two hours credit. First semester.

Professor Brownell

34. Practice Course in Physical Science—33 continued. Second semester.

COURSES FOR GRADUATES

51. A Specific Study of the Problems in Educational Theory and Practice in Elementary Schools—Two hours attendance. Two hours credit. First semester.

Head Professor Fordyce

52. A Specific Study of the Problems in Educational Theory and Practice in Elementary Schools—51 continued. Second semester.

53. An Investigation of the Problems in Educational Theory and Practice in Secondary Education—Two hours attendance. Two hours credit. First semester.

Head Professor Fordyce

54. An Investigation of the Problems in Educational Theory and Practice in Secondary Education—53 continued. Second semester.

55. Criticism and Supervision of Instruction—Open to graduate students and seniors who are either graduates of normal schools or experienced teachers, who intend to become principals or superintendents in public schools or supervisors of teachers' training classes. Hours and credit to be arranged. First semester. Head Professor Fordyce

56. Criticism and Supervision of Instruction—55 continued. Second semester.

23 and 24. Practicum in the Methods of Educational Organization and Administration—See 23 and 24 of undergraduate courses in this department.

IV. Secondary Education

Professor Reed

35. The Secondary School—A general course on the problems of the secondary school; its organization and equipment; relation of teacher to pupil, to principal, to board of education, to community, and to the profession; the program of studies; a balanced curriculum; questions of class organization; the library; the laboratory. Lectures, discussions, readings, and reports. Open to seniors and graduates. One hour attendance. One hour credit. First semester. Professor Reed

36. The Accredited School—Systems of admission to higher institutions. College entrance requirements. Accredited relations: theory; basis; effect on programs of studies, courses of study, and curricula. Inspection: theory, history, and methods. The secondary schools: organization; standard of excellence; tests of progress; teacher; equipment library, and laboratories. For superintendents, principals, and high-school teachers. One hour attendance. One hour credit. Second semester. Professor Reed

V. Agricultural Education

Head Professor Davisson

1. Agricultural Pedagogy—The subject-matter characterizing the various subjects for instruction in agriculture is given careful consideration, the first purpose being to give the student, even though he has not taken all the subjects known as agricultural, a general concept of what agricultural education means. Each subject is then taken up and discussed with the view of determining its educative value. In this portion of the subject the student must become familiar with the elementary terms used in educational psychology. The best methods of imparting instruction in agricultural subjects to rural and to high school students are then considered. The knowledge which should precede the study of every agricultural subject is carefully discussed, for too often attempts are made by teachers in rural schools to give agricultural instruction without having built a proper foundation. The time which should be devoted to agriculture in the rural schools and in the high school and what materials can

best be used for instruction are discussed, and an attempt is made to formulate a rational system of instruction which will, with the ordinary scientific subjects of the high school, constitute an organic whole. Senior year. First semester. Two hours attendance. Two hours credit.

ENGLISH LANGUAGE AND LITERATURE

Ilead Professor Sherman, Associate Professor Wallace, Associate Professor Stuff, Associate Professor Pound

GENERAL INFORMATION

Courses 1 and 2, dealing with elements and first principles of criticism, are introductory to all the other work of the department.

The University Teachers' Certificate. Owing to the necessity for common preparation in Rhetoric and English Literature, majors are not open in either of these subjects to the exclusion of the other. A major in Rhetoric and a major in English Literature will be credited to those who secure credit for twenty-eight hours in the courses following:

Rhetoric—Courses 1 and 2, four hours; 3 and 4, four hours; 7 and 8, six hours; and 32, three hours.

English Literature—Courses 1 and 2, six hours; 11 and 12, four hours; 17 and 18, eight hours.

It is necessary for students offering these majors to include a minor of twelve hours in some allied subject.

Candidates offering English Literature as a major for the degree of Master of Arts must have completed as undergraduates at least courses 1, 2, 5, 6, 11 and 12, and must include among graduate subjects courses 17, 18, 33 and 34.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **English Literature**—Introductory. Literary elements and principles, with illustrative study of modern poetry and prose. First and second semesters. Three hours attendance. Three hours credit.

Associate Professor Wallace, Associate Professor Stuff

2. **English Literature**—1 continued. Masterpieces in the drama, novel, short story, dramatic monologue, and interpretative poetry and prose. First and second semesters. Three hours attendance. Three hours credit.

Associate Professor Wallace, Associate Professor Stuff

3. **Shakespeare**—First studies in the literary art of this author. *Macbeth*, studied in daily written exercises and library readings, with independent investigation of special topics on the art and literary history of the play. Three hours attendance. Three hours credit. First semester.

Associate Professor Wallace

4. **Shakespeare**—3 continued. Written studies in *Hamlet* and *Othello*. Three hours attendance. Three hours credit. Second semester.

Associate Professor Wallace

5. **The History of English Literature**—A survey of the development of English literature, the rise of literary forms, periods of literary history, and various formative and other influences. Special class study of Chaucer, Spenser, Milton, and others. Three hours attendance. Three hours credit. First semester. Associate Professor Pound

6. **The History of English Literature**—5 continued. Second semester.

7. **Comparative Literature in English**—Intensive study of Job and other Hebrew literature. Comparative studies on kindred themes, from Greek, Celtic, English, Spanish, and German literature. Prerequisite: Courses 1 and 2. Two hours attendance. One or two hours credit. First semester. Associate Professor Stuff

8. **Comparative Literature in English**—Literary art in Matthew, Mark, Luke, and John. Comparative studies from Swedish, French, Italian, English, and American literature. Prerequisite: Courses 1 and 2. Two hours attendance required. One or two hours credit. Second semester. Associate Professor Stuff

9. **Nineteenth Century English Poets**—English poets from 1798 to 1900. The romantic movement of the early nineteenth century. Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, Landor. The Victorian period. Tennyson, the Brownings, Clough, Arnold, Rossetti, Morris, Swinburne. Preliminary completion of courses 5 and 6, though desirable, is not essential. Two hours credit. First semester. Associate Professor Pound

10. **Nineteenth Century English Poets**—9 continued. Two hours credit. Second semester.

11. **English Literature**—Literary art and diction. Written studies of Tennyson's *Princess* and Emerson's *Nature Addresses*. Prerequisite: Courses 1 and 2. Two hours attendance. Two hours credit. First semester. Head Professor Sherman

12. **English Literature**—11 continued. Daily written exercises of appreciation and criticism, in selected specimens of best literature. Two hours attendance. Two hours credit. Second semester.

14. **American Literature**—Its relation to the national life and thought. Lectures, collateral readings, and reports. Two hours credit. Second semester. Associate Professor Pound

COURSES FOR UNDERGRADUATES AND GRADUATES

15. **Current Comparative Literature**—Literary art of today. Comparative view of means, modes, and influences. Study of chief authors in Scandinavian, German, Russian, French, Italian, as well as English, and American writers. Prerequisite: Courses 1 and 2. Class limited to twenty. Admission by conference with instructor. Acquaintance with French and German or other foreign languages is desirable, but not essential. Two hours attendance. Three hours credit. First semester. Associate Professor Wallace

15a. The Short Story—Art of the modern short story in America, England, Russia, Germany, France, and Italy, with a survey of its evolution. Entrance by permission. Two hours attendance. Two hours credit. First semester. Associate Professor Wallace

15b. The Short Story—15a continued. Second semester.

16. Current Comparative Literature—15 continued. Two hours attendance. Three hours credit. Second semester.

17. Essentials of Old English: Outline of Old English Grammar—Reading at earliest moment of prose and poetic specimens. *Beowulf*, through 500 lines. Introductory to the history of the English language and the history of Old English literature. Four hours attendance. Four hours credit. First semester. Associate Professor Pound

18. Old and Middle English and History of the English Language—17 continued. *Beowulf* continued. The development of the language traced from Old to Modern English, the history of inflections, sound changes, spelling, etc. Outline of Middle English grammar. Reading of selected Middle English texts before Chaucer. Four hours credit. Second semester. Associate Professor Pound

19. The Novel—Its relation to the expression of life. Study of modes and art principle in the interpretation of life. Two hours attendance. Two hours credit. First semester. Associate Professor Stiff

20. The Novel—19 continued. Two hours attendance. Two hours credit. Second semester.

21. Elizabethan-Jacobean Drama—Shakespeare's contemporaries to the readjustment of the theaters, 1610. Reciprocal influences. Principles of the drama. Study of the play-houses. Prerequisite: Courses 1 and 2. Two hours attendance. Weekly conferences. Three hours credit. First semester. Associate Professor Wallace

22. Elizabethan-Jacobean Drama—21 continued. Shakespeare's contemporaries and successors from 1610 to 1642. Introduction to scientific methods of investigation. Two hours attendance. Weekly conference. Three hours credit. Second semester. Associate Professor Wallace

23. Browning—Written studies of *Luria*, *Return of the Druses*, *Pippa Passes*. Two hours attendance. Two hours credit. First semester. Associate Professor Wallace

24. Browning—23 continued. *The Ring and the Book*; *Sordello*. Second semester. Associate Professor Wallace

25. Shakespeare—Advanced studies in dramatic art, as represented in *Cymbeline*, *The Winter's Tale*, *Coriolanus*. Two hours attendance. Two hours credit. First semester. Head Professor Sherman

26. Shakespeare—25 continued. *Romeo and Juliet*, *Twelfth Night*, *King Lear*. Two hours attendance. Two hours credit. Second semester. Head Professor Sherman

27. English Ballads—Introduction to the study of popular poetry. Reading of selected ballads of England and Scotland, with some references to ballads in other literatures. The ballad revival in the eighteenth century. Modern imitative ballads. One hour attendance. One hour credit. First semester.
Associate Professor Pound

29. English Lyric Poetry—Nature of the lyric. Survey of leading lyric kinds and types: ballads, sonnets, odes, elegies, etc. History of the English lyric. Two hours attendance. Two hours credit. First semester.
Associate Professor Pound

30a. Teachers' Course in English Language and Literature—A practical study of the synthetic, interpretative and technical phases of presenting this subject in all primary and secondary grades. Special attention given to outlining of courses, development of material, selection of books for school libraries and home readings. Experience in the preparation and presentation of topics will be gained in connection with the Teachers' College Training School Practice Course in Teaching the English Language and Literature. Lectures, written reports, observation reports, criticism, library readings. Prerequisite: Courses 1, 2, 11, 12. Two hours attendance. Two hours credit. First semester.

Head Professor Sherman, Associate Professor Staff

30b. Teachers' Course—30a continued. Prerequisite: Courses 1, 2, 11, 12, 17, 30a. Two hours attendance. Two hours credit. Second semester.

Head Professor Sherman, Associate Professor Staff

31. Principles of Dramatization—Construction in the drama of Shakespeare, Molière, Schiller, and Goethe. Two hours attendance. Two hours credit. First semester.
Head Professor Sherman

32. Principles of Dramatization—31 continued. Construction in the drama of Corneille, Calderon, Goldoni, Maeterlinck, Ibsen, and in the classic drama. Second semester.
Head Professor Sherman

COURSES PRIMARILY FOR GRADUATES

33. Advanced Old English—Open to students who have a working knowledge of the language. The special mode of study varies according to the needs or equipment of the class. Serves often as an introduction to comparative Teutonic philology. Outline of general phonetics included if necessary. Precedent or accompanying study of Gothic and Old High German recommended. Two hours attendance. Two hours credit. First semester.
Associate Professor Pound

34. Advanced Old English—33 continued. Second semester.
Associate Professor Pound

35. History of Old English Literature—Reading of texts in translation. Study of textual and manuscript criticism, disputed reading, dates, problems of authorship and interpolation, historical and mythological elements, history of opinion, etc. One hour attendance. One hour credit. First semester.
Associate Professor Pound

36. **History of Old English Literature**—35 continued. Second semester.

[37. **The Mediaeval Drama**—Development of the liturgical drama. Origins and growth of Mysteries, Miracles, and Moralities in England and continental Europe. Studies of text and form. Two hours attendance. Two hours credit. First semester. Associate Professor Wallace]

[38. **Pre-Shakespearean Drama**—Development of the new English drama to Marlowe. Two hours attendance. Two hours credit. Second semester. Associate Professor Wallace]

39. **Seminary in English Literary Prose**—Study of development and excellencies. Two hours attendance. Two hours credit. First semester. Head Professor Sherman

40. **Chaucer**—Literary and linguistic studies. Informal lectures on contemporary fourteenth century life and literature. Two hours attendance. Two hours credit. Second semester. Associate Professor Pound

41. **Seminary in Criticism**—Two hours attendance. Two hours credit. First semester. Head Professor Sherman

42. **Seminary in Present Literary Forms and Tendencies**—Two hours attendance. Two hours credit. Second semester. Head Professor Sherman

43. **Celtic Sentiment and Thought in its Relation to English Literature**—A survey of early Irish and Welsh literature with special study of the Arthurian sources. Admission on consent of the instructor. Two hours attendance. Two hours credit. First semester. Associate Professor Stuff

44. **Celtic Sentiment and Thought in its Relation to English Literature**—43 continued. Celtic influence upon the English romantic movement. Two hours attendance. Two hours credit. Second semester. Associate Professor Stuff

45. **Seminar**—Studies in the Elizabethan drama. Investigations of special topics. Methods of scientific research. Consultations and formal reports. Admission upon approval of instructor. Two hours attendance. Two hours credit. First semester. Associate Professor Wallace

46. **Seminar**—45 continued. Direction of individual studies in the drama, novel, short story, or other literary form. Modern scholastic methods of research. Two hours credit. Second semester. Associate Professor Wallace

47. **Research**—Course in development of elements and form in English prose. Two hours attendance. Two hours credit. First semester. Head Professor Sherman

48. **Research**—Course in development of elements and form in poetry. Second semester. Head Professor Sherman

ENTOMOLOGY

Head Professor Bruner, Adjunct Professor Swenk, Mr. Dawson

Courses 1 and 2 are open to all students, and they, or their equivalent, must precede all other courses in entomology except 3 and 4. Courses 3 and 4 must precede courses 7 and 8. The undergraduate courses of the department are given in the general laboratory and lecture room which is located on the third floor of Nebraska Hall.

GRADUATE WORK

A candidate for the degree of Master of Arts in entomology must have had Zoology 1 and 2, or their equivalents, in addition to Entomology 1 and 2. He should be able to read Latin and either French or German, or both.

The department has in Experiment Station Hall a laboratory fully equipped for the use of students engaged in research work along systematic lines, and a modern insectary well provided with apparatus useful in facilitating research in economic entomology, such as breeding cages, cameras, dark room and aquaria, for those investigating the life-histories of insects. The research laboratory is supplied with compound and dissecting microscopes, microscopical accessories, camera lucida, lanterns and slides and illustrative models and charts. A collection of insects numbering approximately 135,000 pinned specimens is well housed in special cabinets and Schmitt boxes and is available for study by advanced students; it is particularly rich in Hymenoptera, Diptera and Orthoptera and contains many specimens of these orders named by specialists, including a considerable number of their types. While the greater portion of the collection is representative of our state and national fauna, it is also exceedingly rich in exotic material from Argentina, Costa Rica and Mexico collected by Professor Bruner on entomological excursions to these countries. The library contains practically complete files of all the American and the principal foreign entomological periodicals as well as most of the special monographs in the various orders, and is readily accessible to advanced students, while the excellent economic libraries of the State Entomologist and Nebraska Experiment Station are close at hand and available for reference. The results of studies carried on in the department are issued consecutively in a numbered series.

Master of Arts.—As his major for the degree of Master of Arts the student may choose either courses 15 or 16 or 17 and 18. He may elect his first and second minors from the other courses offered as graduate studies in this department or from the courses offered as graduate studies in the department of zoology. The graduate work of this department is of so technical a nature, being chiefly designed to prepare students as government, state or experiment station investigators in entomology or as museum scientists, that each student should consult with the head of the department before registering.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **General Entomology**.—A general survey of the class Insecta, with introductory lectures on arthropod structure, physiology, transformations, dis

tribution and behavior, followed by a consideration of the characteristics of the orders, suborders and principal families of insects, and the life-histories and habits of typical species. Laboratory dissections of typical forms of the various orders, correlated with the lectures. Three hours attendance. Six hours laboratory and preparation. Three hours credit. First semester.

Head Professor Bruner, Mr. Dawson

2. General Entomology—1 continued. In addition, general work in the collection and classification of insects, and the study of microscopical forms. Three hours attendance. Six hours laboratory and preparation. Three hours credit. Second semester.

Head Professor Bruner, Mr. Dawson

3. Economic Entomology—An introduction to the practical phases of entomology, presenting the broad principles of insect damage and control. Types of insect injury; beneficial insects; parasitism; gall formation; fungous and bacterial diseases of insects; climatic influences on insect control; cultural preventatives and artificial remedies in fighting insect pests. Assigned readings and laboratory work in rearing insects and following out life-histories in the insectary, designed principally to give the student a general view of insect metamorphosis and of insectary methods and the use of apparatus. This course and the following one are especially adapted to the requirements of students in both the general and technical agricultural groups electing entomology as an agricultural subject. Two hours attendance. Four hours laboratory. Two hours credit. First semester.

Head Professor Bruner

4. Economic Entomology—3 continued. Detailed studies of our most conspicuous insect pests, concerning their life-histories and habits, and preventatives and remedies for them, and in the spring observations of their work in the field. Does not presuppose course 3, although it is recommended that students elect that course immediately preceding this one. Two hours attendance. Four hours laboratory and field work. Two hours credit. Second semester.

Head Professor Bruner

COURSES FOR GRADUATES AND UNDERGRADUATES

5. Systematic Entomology—A study of the principles and machinery of classification as applied to insects. Taxonomic groups; evaluation of characters; evolution of organs; dimorphism; nomenclatural codes; synonymy; types; methods of description; construction of tables; use of reference books; faunal areas; ecological methods. Laboratory work with various insect groups, designed to give a conception of the varying value of classificatory characters. Two hours attendance. Seven or more hours laboratory. Three or more hours credit. First semester.

Adjunct Professor Swenk

6. Systematic Entomology—5 continued. In addition, a detailed study of entomological technique involving the methods of collecting, preparing and preserving entomological specimens for the cabinet and museum; entomotaxy; use of entomological apparatus; entomography; entomological literature and methods of publication; bibliography, index and catalogue

compilation. Two hours attendance. Seven or more hours laboratory or field work. Three or more hours credit. Second semester.

Adjunct Professor Swenk

7. Advanced Economic Entomology—A review of the groups of insects injurious to any host plant or group of plants, including the insect enemies of corn, the small grains, alfalfa and clover grasses, potato, sugar beet, garden vegetables, apple, stone fruits, grape and bush fruits. Assigned and original laboratory work on life-histories and actual field work in investigating insect pests. Two hours attendance. Ten or more hours laboratory. Four or more hours credit. First semester.

Head Professor Bruner, Adjunct Professor Swenk

8. Advanced Economic Entomology—7 continued. In addition, a consideration of the principal insect enemies of domestic animals and stored vegetable and animal products, the preparation and use of insecticides and methods of spraying and fumigation; nursery inspection; determination of injurious scale insects; entomological office methods; insect photography. Two hours attendance. Ten or more hours laboratory. Four or more hours credit. Second semester.

Head Professor Bruner, Adjunct Professor Swenk

9. Apiculture—A general survey of the subject, including a discussion of the structure, life-history, varieties and communal life of the honey bee; methods of handling bees, formation of colonies, enlarging brood nests, controlling the colony growth, rearing of queens, honey and wax production, honey-producing plants, apiary paraphernalia and the symptoms, etiology and control of bee diseases and other enemies of bees. One hour attendance. Two hours laboratory and reading. One hour credit. First semester.

Head Professor Bruner

10. Domestic Entomology—A series of lectures on insects affecting the household, with suggestions for their control. House ants, cockroaches, termites, silver fish, clothes moths, carpet beetles, skippers, flour beetles and meal worms, lice, fleas, house flies, mosquitos, etc. One hour attendance. Two hours laboratory and reading. One hour credit. Second semester.

Adjunct Professor Swenk

11. Forest Entomology—Lectures and laboratory studies of the insects of the forest. Two hours attendance. Four hours laboratory. Two hours credit. First semester.

Head Professor Bruner

12. Historical Entomology—An outline of the history of entomology, particularly the development of economic entomology from the earliest efforts down to the work of Riley and the advent of the new school of entomologists. One hour attendance. Two hours assigned readings. One hour credit. Second semester.

Adjunct Professor Swenk

13. Medical Entomology—A study of insects in their relation to the transmission of certain human diseases and of their capacity as human parasites. One hour attendance. Two or more hours laboratory. One or more hours credit. Second semester.

Head Professor Bruner

14. **Seminary**—The seminary work of the department is carried on by the Nebraska Entomological Society, an association of students specializing in entomology and taking advanced or graduate courses, meeting one evening of each week for the presentation of papers and the discussion of current progress in entomological science. Time spent in the preparation of papers and attending meetings may be applied as laboratory work.

COURSES PRIMARILY FOR GRADUATES

(These courses may be registered for repeatedly until the completion of the problem.)

15. **Research in Systematic Entomology**—Independent studies under the advice of the head of the department leading to the monographing of some genus, subfamily or family of insects or the detailed study of the insect fauna of Nebraska in one of the larger groups. First semester.

Head Professor Bruner

16. **Research in Systematic Entomology**—15 continued. Second semester.

17. **Research in Economic Entomology**—Individual investigation of some special problem in economic entomology, usually the monographing of a species or group of species of economic importance. First semester.

Head Professor Bruner

18. **Research in Economic Entomology**—17 continued. Second semester.

EUROPEAN HISTORY

Head Professor Fling, Adjunct Professor Pfeiffer, Miss Needham

GENERAL INFORMATION

The undergraduate courses in European history are intended for the following classes of students:

1. Those who are preparing to teach history in the high school or in the college. Courses 1 and 2 should be taken the first year; courses 5 and 6 with 3 and 4, or 17 and 18, or 19 and 20 the second year; 47 and 48, or 17 and 18, or 19 and 20, the third year. This is the minimum requirement in European History for the University Teachers' Certificate. Students are strongly urged to elect in addition in the senior year, a seminary and the Teachers' Course (45 and 46, or 47 and 48). The languages needed in the advanced work, especially French, should be taken up in the first and second years. Students are advised to consult with the head of the department (during registration week) concerning their work.

2. Those who are specializing in language and literature. Courses 3 and 4 are intended for students of English literature, 7 and 8 for students of German literature, and may be taken by those who have not had courses 1 and 2.

3. Those who are preparing for law or debate will find especially valuable the training in the use of evidence given in courses 1 and 2. The same courses are helpful to students of economics and sociology.

GRADUATE WORK

The department offers excellent opportunities for graduate study on the French revolution and the Napoleonic era. The collection of sources and secondary works upon the early revolution is the best in the west and one of the best in the country. On the Napoleonic era the department has recently acquired the valuable Oncken collection of manuscripts, containing the correspondence of the most distinguished English diplomats during the years 1812-1815 inclusive. Each year special courses and seminars are offered on these two periods. In the seminars, the student is introduced in a critical way to the best sources and investigations are begun that may lay the foundation for research work abroad. To take advantage of these courses, the student should have had general courses on the French revolution and the Napoleonic era, some undergraduate training in the use of sources, and should have acquired a reading knowledge of French. With such a preparation, it is possible to take the master's degree in one year. When the student is not properly prepared, the training may be secured in the undergraduate courses offered by the department. This preparatory work may be done in one year, if the student has already acquired in undergraduate courses a fair working knowledge of European history.

Master of Arts.—Second Minor: At least eight hours of graduate work; two years of undergraduate work are required before graduate work can be entered upon. First Minor: Same as 1, 2, 3, and 4 for major. Major: (1) an acquaintance with the history of Europe from the beginning of Greek history to the last quarter of the nineteenth century; (2) a knowledge of the literature of European history, consisting of the best known sources in English, French and German, and the most important works of secondary writers; (3) an acquaintance with bibliographical aids and historical atlases; (4) a theoretical knowledge of the methods of historical research; (5) a thesis based on the sources.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **European History from the Germanic Migrations to 1871**—Required for the University Teachers' Certificate in History. Three hours attendance. Three hours credit. First semester.

Head Professor Fling, Adjunct Professor Pfeiffer, Miss Needham

2. **European History**—1 continued. Second semester.

3. **English History to 1558**—Required for the University Teachers' Certificate in History. Two hours attendance. Two hours credit. First semester.

Adjunct Professor Pfeiffer

4. **English History after 1558**—3 continued. Second semester.

5. **The Germanic Migrations and the Germanic Kingdoms**—Prerequisite: Courses 1 and 2. Required for the University Teachers' Certificate. Three hours attendance. Three hours credit. First semester.

Adjunct Professor Pfeiffer

6. **The Empire of Charlemagne**—Required for the University Teachers' Certificate. Three hours attendance. Three hours credit. Second semester.

Adjunct Professor Pfeiffer

7. **German History to 1618**—For students who are preparing to teach German and have had two years of German. Three hours attendance. Three hours credit. First semester. Miss Needham

8. **German History after 1618**—7 continued. Second semester.

[45. **Teachers' Course in Greek History**—Must be preceded by 1 and 2. Two hours attendance. Two hours credit. First semester.

Head Professor Fling]

Given in 1911-1912.

[46. **Teachers' Course in Greek History**—45 continued. Second semester.]

Given in 1911-1912.

COURSES FOR UNDERGRADUATES AND GRADUATES

17. **The French Revolution**—Open to students who have had one year's work in the department. Two hours attendance. Two hours credit. First semester. Head Professor Fling

18. **The Napoleonic Era**—The requirements are the same as for course 17. Two hours attendance. Two hours credit. Second semester.

Head Professor Fling

[19. **Europe in the Nineteenth Century**—The requirements are the same as for course 17. Two hours attendance. Two hours credit. First semester.

Head Professor Fling]

Given in 1911-1912.

[20. **Europe in the Nineteenth Century**—19 continued. Second semester.]

Given in 1911-1912.

55. **Seminary in English History**—One hour attendance. One hour credit. First semester. Adjunct Professor Pfeiffer

56. **Seminary in English History**—55 continued. Second semester.

23. **Seminary on the French Revolution**—One hour attendance. One hour credit. First semester. Head Professor Fling

24. **Seminary on the French Revolution**—23 continued. Second semester.

COURSES PRIMARILY FOR GRADUATES

25. **Historical Method**—Detailed lectures on the problems of historical research and construction, accompanied by readings in the best English, French, and German monographs and by practical exercises. One hour attendance. One hour credit. First semester. Head Professor Fling

26. **Historical Method**—25 continued. Second semester.

49. **Seminary on the Napoleonic Period**—One hour attendance. One hour credit. First semester. Head Professor Fling

50. **Seminary on the Napoleonic Period**—49 continued. Second semester.

53. **The States General of 1789**—One hour attendance. One hour credit. First semester. Head Professor Fling

54. **The Reorganization and Unification of France** (July, 1789-July, 1790). One hour attendance. One hour credit. Second semester. Head Professor Fling

FRENCH

(See Romance Languages)

GEOLOGY

Head Professor Barbour, Miss Barbour, Mr. Schramm

Elementary Botany, Chemistry 1 and 2, and Zoology should precede the study of Geology. A knowledge of French and German is of prime importance for advanced work and collateral readings. As far as possible courses are repeated each semester.

Courses leading to advanced degrees are arranged, on consultation, to meet the needs of the candidates.

Geology

1. **Elementary Geology**—Dynamical and Historical. Collateral readings, examination and determination of about 200 common minerals, rocks, and fossils. Three hours attendance. Three hours credit. First semester. Head Professor Barbour

3. **Advanced Geology**—Collateral readings. Experimental and laboratory and field work. Two hours credit. First semester. Head Professor Barbour

7. **Practical Course**—Teachers' course. Study of the common crystals, minerals, rocks and fossils. Lectures and field excursions. Three hours attendance. One hour credit. Second semester. Head Professor Barbour

8. **Map Construction and Interpretation**—Teachers' course. Map drawing and coloring; modelling in papier mache, clay, wax and other media; making plaster and gelatine moulds; casting in plaster of Paris. Suited to various grades. One hour credit. First semester.

Head Professor Barbour, Miss Barbour, Miss Webster

Paleontology

9. **Zoological Geology**—An elementary study and comparison of living and fossil forms. One hour attendance. Two hours laboratory. One hour credit. First semester. Head Professor Barbour

10. **Zoological Geology**—9 continued. Second semester.

11. **Local Paleontology**—Fossils of the state. Designed primarily for teachers. Prerequisite: Course 9. One or two hours credit. First and second semesters. Head Professor Barbour, Miss Barbour

12. **Local Paleontology**—Special problems. Designed primarily for graduate students. Credit conditioned on results. First and second semesters.

Head Professor Barbour

Mineralogy and Crystallography

13. **Elementary Mineralogy**—For students and teachers who wish a general knowledge of common minerals, rocks, and certain ores. One hour attendance. Two hours laboratory. One hour credit. First semester.

Head Professor Barbour

15. **Mineralogy**—Blow-pipe analysis of minerals. One or two hours attendance. Two to five hours laboratory. One or two hours credit. First and second semesters. To be preceded by course 17.

Mr. Schramm, Head Professor Barbour

16. **Mineralogy**—15 continued. First and second semesters.

17. **Crystallography**—Crystallographic forms and measurements, mathematical relations, physical and optional properties. To precede or accompany course 15. One hour attendance. Two hours laboratory. One hour credit. First and second semesters.

Head Professor Barbour

Lithology

18. **Elementary Lithology**—For teachers and others who wish a general knowledge of rocks. One hour attendance. Two hours laboratory. One hour credit. Second semester.

Mr. Schramm

20. **Advanced Lithology**—A study of rocks and rock-forming minerals determined by means of physical, optical and chemical methods. Prerequisite: Course 11, 13, and 17. One or two hours credit. Second semester.

Mr. Schramm

GEOGRAPHY AND ECONOMIC GEOLOGY

Professor Condra, Associate Professor Loveland, Assistant Professor Bengtson, Mr. ———

Courses 1-6, 9, 21 and 25 are open to all students. Numbers 7, 9 and 10 are taken to best advantage with either 1 or 3. Course 8 correlates with course 2. Instruction in industrial and economic geography is designed for the second or third year.

Students preparing to teach Geography in the grades, or in the high school, should consult with the head of the department concerning the choice and sequence of courses, and make the elections preferably by the beginning of the Sophomore year. The elections for majors and minors will vary with the individual needs of students. A student taking a major or a minor in geography is advised to elect at least two courses in related sciences—botany, zoology, chemistry, physics. The following, subject to modification, is the requirement for a major in Geography: Courses 1 (Physical Geography), 2 (Geography of North America), 4 (The Atmosphere), 5 (Industrial Geography), 6 (Economic Geography), 7 and 8

(Laboratory), 9 and 10 (Field), 3 (Theory and Practice). Men may substitute Field Geology 21 and 22 for 9 and 10, and Economic Geology 25 and 28 for 5 and 6. Requirements for a Minor: Courses 1, 2, 4, 5, 6, 7, and 9, or their equivalent.

Graduate instruction leading to the second and third degrees is offered. Theses are based on original work done in the laboratory and field.

Geography

COURSES FOR UNDERGRADUATES AND GRADUATES

1. **Physical Geography of the Land**—An introductory lecture and laboratory course upon practical physiography. Some of the topics discussed are: Principles of geography; the common minerals and rocks; structure and relief features; weathering of minerals and rocks; rivers and valleys; plains and plateaus; mountains; volcanoes and earthquakes; snow fields and glaciers; the distribution of heat belts, rainfall and life regions. An attempt is made to describe the leading physiographic processes, to account for the land and water forms, and to show their relation to life and industry. The lectures are fully illustrated by lantern, maps, models and specimens. Conferences arranged for teachers. Students carrying this course are advised to take also one or both of the related courses, 7 and 9. Two hours attendance. Four hours laboratory, library and preparation. Two hours credit. First semester.

Professor Condra, Assistant Professor Bengtson

2. **Geography of North America**—A summary study of the political divisions, relief, drainage slopes, coast lines, climate, evolution and structure of the continent, and a fuller treatment of each of the seventeen topographic regions; the structure, physiographic history, topography and drainage, resources and industries, and geographic control of the settlement and development of each region. Attention is given to the literature of the subject. The course is suited to all students who wish a knowledge of the geography of our country. The Great Plains Region is emphasized. Lectures are illustrated. The correlating course is number 8. Two hours attendance. Four hours library, laboratory and preparation. Two hours credit. Second semester.

Professor Condra, Assistant Professor Bengtson

3. **Theory and Practice of Teaching Geography**—This course can be taken to best advantage when preceded by courses 1 and 2. It is open, however, to all persons preparing to teach geography. Both subject-matter and method are emphasized. Visits to the grade schools of the city, and to the Teachers College Training School, together with practice teaching. Some of the topics treated by class discussions and lectures are: Geography by grades in the state course of study; the purpose and management of excursions and field studies; illustrative materials and laboratory exercises; the library; the place of industrial and commercial geography, regional geography illustrated by a study of Nebraska. Two hours attendance. Library, laboratory, field, four hours. Two hours credit. First semester.

Professor Condra, Assistant Professor Bengtson

4. The Atmosphere—A study of the meteorology and geography of the atmosphere. The course is designed to meet the practical needs of students in agriculture and forestry. Some of the topics considered are: The physical and chemical nature of the atmosphere; distribution of heat and atmospheric pressure; wind systems; humidity and rainfall; storms; hot winds; changes and fluctuations of climate; climatology in its relation to deserts, prairie land, forests, agriculture, and the distribution of people. Students are taught the construction of weather maps and climatic charts, forecasting, and the use and care of meteorological instruments. Experiments of various kinds are performed in the wet laboratory. Two hours attendance. Four hours laboratory and preparation. Two hours credit. First and second semesters.

Associate Professor Loveland, Assistant Professor Bengtson

5. Industrial Geography—This course gives a general survey of the natural resources and their conservation. A specific study of mineral fuels, iron and steel, water power, cotton, rice, sugars, coffee and tea, wheat, corn; the principal commercial raw materials as shown by museum specimens; the forms, processes and commercial relations are shown by the use of illustrative materials and well-selected sets of lantern slides. Two hours attendance. Four hours museum, library and preparation. Two hours credit. First semester.

Professor Condra, Assistant Professor Bengtson

6. Europe and Asia—A summary of the larger physiographic features of Eurasia, followed by a close study of the more important commercial countries especially in their relations to the United States. Chief attention is given the geographic influences which have controlled the development of the different countries. The relations of climate, structure, topography, position, and people to national progress are emphasized. Considerable attention is given the countries bordering the Mediterranean in their relation to religious movements. Two hours credit. Second semester.

Assistant Professor Bengtson

7. Physical Geography, Laboratory Course—To accompany or follow course 1. So far as possible the work offered is arranged to meet the individual needs of teachers and students. It is designed to emphasize the inductive study of physical geography. Among the topics treated are the following: Globe and model studies; interpretation and use of physical and topographic maps; map drawing and coloring; relief sketching; modeling with different media; a study of type land forms and the development of drainage by means of maps, models and folios. The physiographic processes are illustrated and the various land and water forms developed in the wet laboratory. Rock structures and weathering are taught by use of specimens. Three or six hours laboratory. One or two hours credit. First semester.

Assistant Professor Bengtson

8. Regional Geography, Laboratory Course—Designed to accompany course 2. It affords teachers and students an opportunity to become better acquainted with this department of laboratory and library study than is offered in the general course. Topographic maps, coast maps, geologic at-

lases, climatic charts, Water Supply Papers, soil reports, various bulletins, and models are used in these studies. Three hours laboratory. One hour credit. Second semester.

Assistant Professor Bengtson

9. Field Geography—Men and women registered in separate classes. Excursions are made to points of geographic interest near Lincoln, Milford, Pleasant Dale, Roca, South Bend and Louisville. A study is made of rivers, flood plains, terraces, glacial deposits, rock ledges, escarpments, talus slopes, valleys, quarries, building materials, and sand dredging. Persons wishing the course should consult with one of the instructors before registering. Credit depending on time and results, usually one hour.

Assistant Professor Bengtson, Mrs. Condra

10. Field Geography—Course 9 continued. Second semester.

11. Seminar—Primarily for graduate students. Credit determined by results and time. First semester.

Professor Condra

12. Seminar—Course 11 continued. Second semester.

Field and Economic Geology

This instruction is planned for engineering and agricultural students, but may be elected by others, especially those who wish to prepare for work on the U. S. Geological Survey or to do commercial work.

With approved substitutions and electives students can prepare appropriately in the Civil Engineering group, for work in conservation and geological engineering. The electives and substitutions are to be recommended by the Professors of Civil Engineering and Economic Geology and approved by the Dean of the College of Engineering. (See note under College of Engineering.) For information concerning Mining Engineering, see Professor of Economic Geology.

21. Field Geology—Open to all men students; excursions to outcropping formations, quarries, gravel pits and sand dredges along Salt Creek, Blue River and the Platte. Use of the aneroid barometer, level, transit, plane table, camera and drawing materials as employed on geological surveys. Mapping and descriptions. Collateral readings. One or two hours credit depending on results. First and second semesters.

Assistant Professor Bengtson

22. Field Geology—Prerequisites 21 or 25. Geological survey methods are employed. Students learn to do topography, areal geology, stratigraphy and field work in the geology of water supplies, stone, clay and sand. Credit depending on time and results. First and second semesters.

Professor Condra

25. Engineering Geology—The properties, origin, occurrence, and use of certain rock-forming minerals; types of structure; periods and systems; the geology of mineral fuels, water supplies, sand and gravel, building stone, cement materials, road materials, and clay. The various materials are studied in the laboratory. Examination and reports on quarries, clay

pits and sand deposits; lectures illustrated by lantern, specimens and maps. Two hours attendance. Four hours library, laboratory and field. First semester. Two hours credit.

Professor Condra, Assistant Professor Bengtson

26. Mining Geology—This lecture and laboratory course includes a review of the geologic periods and systems; rock structures and cavities; the nature and motions of ground water; concentration and enrichment of ores; the classification of ore bodies, and special discussions of iron, copper, lead, zinc, gold and silver. Districts and technology are shown by lantern slides. Two hours attendance. Four hours laboratory and library. Two hours credit. Second semester.

Professor Condra, Assistant Professor Bengtson

28. Agricultural Geology—A study of soil forming, road and cement-making minerals and rocks; the leading geologic structures; rock weathering and soil erosion; ground water; rural water supplies; drainage and topographic conditions of agricultural relation; evolution of farm animals as shown by fossils; the structure and soil regions of Nebraska; the agricultural importance of the "Red bed," Pierre, Bad land, Loup Fork, glacial, loess, alluvial and dune sand formations. Two hours attendance. Four hours laboratory, field and library. Two hours credit. Second semester.

Professor Condra, Assistant Professor Bengtson

GERMANIC LANGUAGES AND LITERATURES

Head Professor Fossler, Professor Grumann, Assistant Professors Heppner, Schrag, Adjunct Professor Baumgartner, Instructor Chamberlain, Fellows

GENERAL INFORMATION

The University finds it necessary to offer elementary or beginning courses in German notwithstanding the fact that some ninety high schools in the state maintain such courses. Accordingly the first four semesters are devoted to a mastery of the fundamental facts and principles of the language as such. The study of literature proper is not begun until the fifth semester. The courses in Conversational German, too, presuppose a preparation of at least two college or three high-school years.

Courses 5-10 inclusive represent the lines of work which third-year students may pursue with profit, while Courses 11-19 are open, generally speaking, to fourth-year students. Specially strong and well prepared third-year students may likewise be admitted to these advanced courses. To insure a wise and profitable selection of studies, students are urged to consult with the department before registering.

Requirements for the University Teachers' Certificate: Major, courses 1 to 8 inclusive, and 12 and 19; minor, courses 1 to 8 inclusive.

GRADUATE WORK

For the present the size of the teaching force and the subsidiary facilities at its command do not justify undertaking graduate work beyond the requirements leading to the Master of Arts degree. Before beginning such

graduate studies, the candidate must have had at least the equivalent of eight full semesters of college German. The advanced work may be along either literary or philological lines, though all candidates, whether interested in pure linguistics or in literature, should take up the more fundamental courses—Phonetics, Gothic, and Comparative Grammar. Adequate assistance and directions for the successful prosecution of literary studies are given in lectures, reports, and frequent interviews. The University Library contains the more representative works of German literature which, with an adequate supply of critical and biographical material, afford the student ample facilities for this line of work.


A candidate may make such a combination of courses as best suits his needs. Since the department's purpose is to encourage a thorough mastery of certain phases of Germanics rather than to insist upon set or prescribed time limits, no definite statement of required hours can be given. From two to three semesters—the candidate giving his full time—are necessary to complete the work for the degree. Minors may be chosen either in this or in allied departments. A satisfactory thesis must precede the final examination.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **Beginners' Course**—Grammar and exercises with readings; sentence-structure; word-building; vocabulary. Five hours attendance. Five hours credit. First semester.


Professor Grummann, Assistant Professors Heppner, Schrag, Adjunct Professor Baumgartner, Instructor Chamberlain, Fellows

2. **Beginners' Course**—1 continued. Modern narrative prose. Texts selected conform to those recommended by the Committee on "German Units" of the North Central Association of Colleges and Secondary Schools. Hours, credit and instructors as in Course 1. First and second semesters.

 *High-school students who have had two semesters of German should register for this course.*

3. **Literary German**—(For students in the College of Arts and Sciences) —Wesselhoef's *Composition Exercises*; Charlotte Niese's *Aus dänischer Zeit*; Rosegger's *Waldheimat* or Freytag's *Die Journalisten*. Five hours credit. First and second semesters.

Assistant Professors Heppner, Schrag, Adjunct Professor Baumgartner, Instructor Chamberlain

4. **Literary German**—3 continued. Arnold's *April Wetter*; Fulda's *Das Verlorne Paradies*; Schiller's *Jungfrau von Orleans*, or Meyer-Förster's *Karl Heinrich* or Lessing's *Minna von Barnhelm*. Five hours attendance. Five hours credit. First and second semesters.  *Students who have had two years of German in a high school should register for this course.*

Professor Grummann, Assistant Professors Heppner, Schrag, Adjunct Professor Baumgartner, Miss Chamberlain

[3a-4a. **Scientific German** (For students in the Technical Courses)—Wesselhoef's *German Exercises*; Gore's *Science Reader*; Dippold's *Science Reader*; Helmholtz's *Populäre Vorträge* or Lassar-Cohn's *Die Chemie im*

täglichen Leben, etc. Analysis of scientific terminology. Five hours attendance. Five hours credit. First and second semesters.

Adjunct Professor Baumgartner]

Not given in 1910-1911.

5. Introductory Literature—Analysis and interpretation of Schiller's *Maria Stuart*; Goethe's *Iphigenie*. Hatfield's collection of *German Lyrics and Ballads*. Supplementary readings of some easier texts. Three hours attendance. Three hours credit. First semester. Miss Chamberlain

6. Introductory Literature—5 continued. Close analysis and literary interpretation of Goethe's *Egmont*; Schiller's *Tell*, or Lessing's *Emilia Galotti*; Heine's *Herzreise*. Three hours attendance. Three hours credit. second semester. Miss Chamberlain

5a. Introductory Literature—The work of courses 5 and 6 is here done, approximately, in one semester. Designed to enable those students who finish their fourth semester German at the mid-year to prepare for advanced courses in their third year. Second semester. Five hours attendance. Five hours credit.

Head Professor Fossler, Grummann, Assistant Professor Schrag

7. Conversation—Ready and idiomatic German through class-room instruction and practice. Special attention is paid to colloquial, every-day German. Thorough review of German grammar. Three hours attendance. Three hours credit. First semester.

Head Professor Fossler, Assistant Professors Heppner, Schrag

8. Conversation—7 continued. Advanced composition. Second semester.

9. Ibsen—Reading and interpretation of *Puppenheim*, *Rosmersholm*, *Hedda Gabler*, *Baumeister Solnesz*, *Jon Gabriel Borkmann*, and *Wenn Wir Toten Erwachen*, together with lectures on the other plays of the author. Ibsen's influence upon German naturalism. Two hours attendance. Two hours credit. First semester. Professor Grummann

10. The German Sociological Drama—Course especially designed to meet the needs of students of sociology who do not have a reading knowledge of German. A study in English translations of Ibsen's *A League of Youth* and *Pillars of Society*; Hauptmann's *Before Sunrise*, *Lonely Lives* and *The Weavers*; Halbe's *Häns Rosenhagen* and *The Stream*. One hour attendance. One hour credit. Professor Grummann

COURSES FOR UNDERGRADUATES AND GRADUATES

11-12. Advanced Literature—Lessing's *Nathan der Weise*, or Schiller's *Wallenstein*, Goethe's *Dichtung und Wahrheit*, *Werther* and *Faust*, Van der Smitten's *Shorter Poems* of Goethe and Schiller. Grimm's *Life and Times of Goethe*; Thomas' *The Life and Works of Schiller*. Private reading of such classics as are not taken up in class and reports thereon. Three hours attendance. Three hours credit. First and second semesters.

Head Professor Fossler

13-14. The Modern Novel and Drama—Representative works of Hauptmann, Sudermann, Fontane, Kretzer, Halbe, Wildenbruch, Fulda, and others. Lectures and reports. Three hours attendance. Three hours credit. First and second semesters. Professor Grummann

15-16. History of German Literature—From the beginning to the death of Goethe. Scherer's *History of German Literature*, Franke's *Social Forces in German Literature* are made the bases of the work. Lectures, reports and readings. Three hours attendance. Three hours credit. First and second semesters. Adjunct Professor Baumgartner

17. Germanic Mythology—Critical study of the most important Germanic myths. Origin of myths and the relation of mythology to folk-lore. Two hours attendance. Two hours credit. First semester. Professor Grummann

18. German Hero Lore—A study of the origin and growth of the Volsunga Saga. A comparative study of Hebbel's *Die Nibelungen*, Wagner's *Der Ring des Nibelungen* and Ibsen's *Nordische Heerfahrt*. Two hours attendance. Two hours credit. Professor Grummann

19. Teachers' Course—A general survey of the principles underlying the teaching of German. Lectures, assigned reading, papers and reports on topics connected with language teaching in secondary schools. Practice teaching. A careful examination of the aims and objects to be kept in view, as well as of grammars and other texts suitable for high schools. The course also includes a thorough review of the chief difficulties of German grammar and the elements of phonetics. Text-books: Joynes' *German Grammar*, Bahlsen's *The Teaching of Modern Languages*, *The Report of the Committee of Twelve*, Viëtor's *Kleine Phonetik*, etc. Prerequisites: Courses 1-8 inclusive or their equivalents. Students should consult the instructor before registering for this course. Two hours attendance. Two hours credit. First semester. Head Professor Fossler

20. Advanced Conversation and Composition Course—(Continuation of courses 7, 8 and 19 [optional]). Texts: Joynes' *Grammar*, Kluges' *Themata zu deutschen Aufsätzen und Vorträgen* and material suggested in latter work. Two hours attendance. Two hours credit. Second semester. Head Professor Fossler

COURSES PRIMARILY FOR GRADUATES

MINORS

Courses 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 in this department may be taken as minors, but students may select minors from other departments. (See introductory remarks.)

MAJORS

21. Phonetics—The work is based mainly upon Sievers' *Phonetik*. One hour attendance. One hour credit. First semester. Professor Grummann

22. **Old High German**—Selections from the older literature. Prose and verse. One hour attendance. One hour credit. Second semester.

Professor Grumann

22a. **Middle High German**—Selections from the *Nibelungenlied*, *Walther von der Vogelweide*, *Hartman von Aue*, etc. Transition stages between the Old and the New High German. Two hours attendance. Two hours credit. Second semester.

Professor Grumann

23. **Gothic**—Grammar and readings. The language with respect to its phonology, etymological connections and inflectional system; its relation to the other German dialects. Three hours attendance. Three hours credit. First semester.

Head Professor Fossler

24. **Principles of Linguistic History**—The work is based principally upon Paul's *Prinzipien* and Strong, Logemann and Wheeler's presentation of the subject. Two hours attendance. Two hours credit. Second semester.

Head Professor Fossler

25-26. **Comparative Germanic Philology**—The fundamental principles of linguistic science, with special reference to the prehistoric relationship, the historical development and differentiation of English and German. Two hours attendance. Two hours credit. First and second semesters.

Head Professor Fossler

27. **Seminary in German Naturalism**—The influence of foreign literature and social forces upon German naturalism. Psychological criticism and its relation to earlier schools of criticism. One hour attendance. One hour credit. First semester.

Professor Grumann

Courses in Swedish

Instructor, Joseph E. A. Alexis

1. **Beginning Swedish**—Elements of grammar with easy readings; sentence-structure; word-building; vocabulary. Five hours attendance. Five hours credit. First semester.

2. **Beginning Swedish**—1 continued. *Rättsskrifningslära*. Modern narrative prose. Selma Lagerlöf's *En Herrgordssågen*. Conversational exercises. Five hours attendance. Five hours credit. Second semester.

3. **Advanced Swedish**—Syntax and composition. Reading: Runeberg's *Fänrik Stols Sägner*; Selma Lagerlöf's *Nils Holgersons Underbara Resa Genom Sverige*. Three hours attendance. Three hours credit. First semester.

4. **Advanced Swedish**—3 continued. Composition. Survey of Scandinavian literature from the earliest times. Study of the latest Swedish literature. Three hours attendance. Three hours credit. Second semester.

GREEK HISTORY AND LITERATURE

Head Professor Lees, Professor Dann

Candidates for the Teachers' Certificate in this department should complete courses for a major: 1, 2, 3, 4, 5, 8, or their equivalent. One or two

years of the Greek language will be found very helpful and almost essential to a thorough mastery of the Latin language.

GRADUATE WORK

Master of Arts.—Requirements vary somewhat according to the preceding work of the student, but at least three years of study in the Greek language, including courses 1, 2, 3, 4, 5, 8 or their equivalents, should be completed before proceeding to graduate work. Majors and minors are arranged with each graduate student on consultation with the instructors. The following statements may indicate in general the requirements for majors and minors:—Majors: At least five hours for a year of class-room work; the entire *Iliad* or *Odyssey* read in the original; one Attic author carefully read and style mastered; a thorough knowledge of the history and development of Greek literature from Homer to Aristotle; a thesis. First Minor: Six hours, at least, of class-room work from courses open to graduate students, supplemented by assigned library readings. Second Minor: One-half the amount required for a first minor.

Greek Language

COURSES PRIMARILY FOR UNDERGRADUATES

1. Elementary Greek—Essential facts of the language; simple exercises and easy readings. Especially for those who have a good Latin foundation. This course, together with course 2, accomplishes in one year about the same amount of work as courses 1a, 2a, 3, 4 (all three-hour studies), and makes it possible for strong students to take third year Greek (Course 5), after one year's preparation. Five hours attendance. Five hours credit. First semester. Head Professor Lees

1a. Beginners' Greek—Inflections; conjugations; simple exercises in reading and composition. Three hours attendance. Three hours credit. First semester. Professor Lees, Professor Dann

2. Elementary Greek—Course 1 continued. Xenophon's *Cyropaedia*. Simple composition exercises. (See Course 1.) Five hours attendance. Five hours credit. Second semester. Head Professor Lees

2a. Beginners' Greek—Course 1a continued. The Greek reader; short selections from Greek literature and history. Three hours attendance. Three hours credit. Second semester. Head Professor Lees, Professor Dann

2b. The Greek in English—A study of English words derived from the Greek language. Aims to give such mastery of elementary Greek that the student is able to read Xenophon's *Anabasis* (Course 3). the following semester. Five hours attendance. Five hours credit. Second semester. Head Professor Lees

3. Xenophon's *Anabasis*—Selections from Books I-IV, with prose composition. Parallel and supplementary readings from standard histories of Greece. Three hours attendance. Three hours credit. First semester. Professor Dann

4. **The Iliad**—Books I, II and VI. Introduction to the Epic dialect and the Homeric hexameter; practice in metrical reading. Three hours attendance. Three hours credit. Second semester. Professor Dann

5. **The Odyssey**—Three books read consecutively; sight reading from selected passages of the first twelve books. Literary study of the whole poem from the English translation. Three hours attendance. Three hours credit. First semester. Prerequisite: Courses 1 and 2 or 1a, 2a, and 3.

Head Professor Lees

8. **Plato**—The Apology and Crito. Survey of Greek philosophy. Socrates and his teachings. Three hours attendance. Three hours credit. Second semester.

Head Professor Lees

FOR UNDERGRADUATES AND GRADUATES

9. **The Greek Drama—Aeschylus**—The Prometheus Bound, and one other drama in the original. A discussion of the works and literary characteristics of Aeschylus. Three hours attendance. Three hours credit. First semester.

Head Professor Lees

10. **Sophocles**—The Antigone, and one other drama read in the original. Other works of Sophocles in translations. Greek actors, costumes, and theatre. Three hours attendance. Three hours credit. Second semester.

Head Professor Lees

11. **Euripides**—Two dramas read in the original. Other selected dramas of Euripides read in translations. Styles and literary characteristics of Euripides. Two hours attendance. Two hours credit. First semester: 1911-1912.

Head Professor Lees

[12. **Aristophanes**—The Clouds and Frogs. Rise and development of Athenian comedy. Its relation to Roman and later comedy. Two hours attendance. Two hours credit. Second semester 1911-1912.

Head Professor Lees]

13. **The Greek Historians**—Selected chapters from the works of Herodotus, Thucydides, and Xenophon. Two hours attendance. Two hours credit. First semester.

Head Professor Lees

16. **Lucian**—Selected dialogues. An outline history of Greek Literature from Homer to the second century A. D. Two hours attendance. Two hours credit. Second semester.

Head Professor Lees

17. **Prose Composition** (Teachers' Course in Greek Language)—Advanced course. Especially for students expecting to teach. One hour attendance. One hour credit. First semester. Assistant Professor Dann

18. **Prose Composition**—17 continued. Second semester.

19. **New Testament Greek**—Selections from Pauline epistles. Two hours attendance. Two hours credit. First semester.

Assistant Professor Dann

20. **New Testament Greek**—19 continued. Second semester.

Greek History and Archaeology

No knowledge of Greek is required in order to pursue successfully the following courses. They are open to all students in any department of the University.

31. Greek Mythology and Folk-Lore—Origin and significance of Greek myths, and their treatment in sculpture and painting. Two hours attendance. Two hours credit. First semester. Professor Dann

32. Greek History and Geography—General survey of Greek history from the sixth century B. C. to the conquests of Alexander. Two hours attendance. Two hours credit. Second semester. Professor Dann

33. The History of Greek Literature from Homer to Aristotle—Selected masterpieces of Greek literature in English translation. Lectures and library readings on the authors studied. Two hours attendance. Two hours credit. First semester. Head Professor Lees

34. The History of Greek Literature from Homer to Aristotle—33 continued. Second semester. Course 33 is not a prerequisite. Head Professor Lees

36. Greek Archaeology and Antiquities—Topography, architecture, theatres, temples, social customs, funeral monuments. An itinerary through Greece with lectures and illustrations from photographs and lantern slides. One hour attendance. One hour credit. Second semester.

Head Professor Lees

The Fine Arts

In the following courses in the history and criticism of art are considered, in addition to biographical and historical studies, the fundamental principles of aesthetic criticism; the form and spirit of art in relation to nature, to science, and to life; the conventions of architecture, sculpture, and painting. The courses consist of lectures and discussions in class, readings, and preparation of papers on assigned topics.

40. The Interpretation of Art—This course is intended to help students to a sound criticism and appreciation of works of art. It aims to cultivate the aesthetic sense by discussion of the principles and qualities of art and by practice in interpreting pictures, sculpture, architecture and decorative designs. Examples are taken from various periods and schools of art. Two hours attendance. Two hours credit. First and second semesters.

Professor Dann

41. History of Italian Art—Paintings and sculpture, from the earliest times to the Renaissance. Three hours attendance. Three hours credit. First semester.

Professor Dann

42. History of Italian Art—41 continued. The times of Leonardo da Vinci, Michelangelo, Raphael, and their successors. Three hours attendance. Three hours credit. Second semester.

Professor Dann

43. Representative Painters of the Dutch and Flemish Schools—Studies in portrait and landscape painting. Three hours attendance. Three hours credit. First semester. Professor Dann

44. Modern Painting—A study of the art of the nineteenth century in France, England and America. Three hours attendance. Three hours credit. Second semester. Professor Dann

45. Cathedral Architecture—A study of typical and famous churches in Italy, France, Germany, and England. The principles of architectural construction and decoration are considered, as well as the original and the developed early Christian, Romanesque, and Gothic styles. Two hours attendance. Two hours credit. First semester. Professor Dann

46. Modern Architecture—The architecture of the Renaissance is taken up and discussed, including the points wherein it resembles or differs from classic architecture. The study and criticism of modern buildings of architectural pretensions, and some consideration of the problems and conditions of modern architecture. Two hours attendance. Two hours credit. Second semester. Professor Dann

HISTOLOGY AND EMBRYOLOGY

Professor Willard, Mr. Wells

These courses take up vertebrate structure and development from the comparative standpoint and are therefore illustrative throughout of the structural responses to the general factors of evolution. Course 1 is especially adapted to bring out biological facts of wide application and may be more profitably taken by students with only a general biological preparation than the other courses. Courses 11 and 12 may be adapted to the needs of the general science teacher as an aid to his preparation in physiology. Course 14 will in like manner be adapted to the student of psychology who desires a broader basis on which to place the study of human brain structure.

All courses require the equivalent of the general courses in Zoology and for course 14 comparative vertebrate anatomy and vertebrate embryology are advised.

All the courses offered in this department are of the nature of advanced courses in the field of the biological sciences and may be taken by graduate students who are candidates for higher degrees.

COURSES FOR GRADUATES AND UNDERGRADUATES

1. General Vertebrate Embryology—Lectures with text-book for collateral reading covering the field of vertebrate embryology. The laboratory work consists of the study of individual series of chick and pig with additional demonstrations from the shark and frog embryos. With some additional expenditure of time the student may do more of the preparation himself and retain in his possession complete sets of the embryo studied. Two hours attendance. Four or eight hours laboratory. Three or four

hours credit. First semester. (If taken with course 11, eight hours laboratory first half first semester, four hours credit.)

Professor Willard, Mr. Wells

2. Special Vertebrate Embryology—For those who desire to carry the study of course 1 into some special field or extend it to the later stages of development, this course will be arranged for individually and may be taken as a two-hour course or more according to time given it. It offers the necessary preparation for research work in embryology.

Professor Willard

11. General Histology—This course introduces the subject of the finer cell structure of organs through a study of primary tissues. This is approached from the embryological side so the student sees the process as well as the results of differentiation, giving the subject a broader significance. Arranged to follow a two-hour course in embryology. Two hours attendance. Eight hours laboratory. Second half of first semester. Two hours credit.

Professor Willard, Mr. Wells

11a. General and Dental Histology—A course arranged for dental students to cover the histology of tissues and the special histology and embryology of the teeth. Open only to dental students and not accepted as a substitute for any other course. Eight hours laboratory, quiz and recitation. First semester.

Professor Willard, Mr. Wells

12. Organology—The finer structure of the organs of the vertebrate body. The cell structure, blood and nerve supply and functional changes, as far as expressed structurally, are studied by means of microscopic mounts. Three hours attendance. Four hours laboratory. Three hours credit. Second semester. (This course must be preceded by course 11.)

Professor Willard, Mr. Wells

14. Vertebrate Nervous System—Structural evolution of the vertebrate brain, illustrated by dissections and sections. The object is to point out the modifications presented by the brains in the groups of vertebrates in connection with certain biological factors, such as the rise or disappearance of sense organs explaining such changes. A general course in Zoology is a prerequisite and a course in Vertebrate Anatomy is strongly recommended. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

Professor Willard

HISTORY

(See American History and European History)

JURISPRUDENCE AND PUBLIC LAW

Professor Hastings, Professor Maxey

GRADUATE WORK

Master of Arts.—Complete courses, or major or minor courses, are arranged upon application.

Master of Laws.—A candidate for the degree of Master of Laws must have received the degree of Bachelor of Laws from this University or from some approved law school, must complete an additional year's work of at least 16 hours a week in the College of Law or the Graduate School or both, and must present a suitable thesis embodying the result of original investigation and research. Before such student shall be entitled to the degree he must complete all the courses, elective as well as required, offered in the College of Law for the degree of Bachelor of Laws.

Jurisprudence

1. **History and System of the Common Law**—General survey of the legal system of English-speaking countries; courts, their organization and jurisdiction. Credited in the College of Law. Two hours attendance. Two hours credit. First semester. Professor Hastings

2. **Roman Law**—History and Institutes. Credited in the College of Law. Two hours attendance. Two hours credit. First semester: Professor Maxey

Given in 1911-1912 and alternate years.

3. **Analytical and Historical Jurisprudence**—Introduction to legal theory. Credited in the College of Law. Three hours attendance. Three hours credit. Second semester. Professor Maxey

Public Law and Diplomacy

1. **American Constitutional Law**—Cases on constitutional law. Credited in the College of Law. Three hours attendance. Three hours credit. First semester. Professor Hastings

2. **American Constitutional Law**—1 continued. Cases on constitutional law. Prerequisite: Course 1. Credited in the College of Law. Three hours attendance. Three hours credit. Second semester. Professor Hastings

3. **American Administrative Law I**—Law of public officers; extraordinary legal remedies. Credited in the College of Law. Two hours attendance. Two hours credit. First semester. Professor Maxey

4. **American Administrative Law II**—3 continued. Taxation. Credited in the College of Law. Two hours attendance. Two hours credit. Second semester. Professor Maxey

6. **International Law I**—Credited in the College of Law. Three hours attendance. Three hours credit. First semester. Professor Maxey

7. **International Law II**—Advanced course. Specific problems of international law. Two hours attendance. Credited in the College of Law to students who do not count International Law I. Two hours credit. Second semester. Professor Maxey

8. **European Diplomacy**—Two hours attendance. Two hours credit. First semester. Professor Maxey

Given in 1911-1912 and alternate years.

9. Comparative Constitutional and Administrative Law—Comparative study of public law of the United States, England, Canada, and Australia. Two hours attendance. Two hours credit. First semester.

Professor Maxey

Given in 1912-1913 and alternate years.

10. American Diplomacy—Organization. Main diplomatic controversies. Two hours attendance. Two hours credit. First semester.

Professor Maxey

11. Seminary on Consular Service—Admission upon consent of the instructor. Two hours attendance. Two hours credit. Second semester.

Professor Maxey

Given in 1912-1913 and alternate years.

MATHEMATICS

Requirements for the University Teachers' Certificate.—Major (23 hours), courses 1, 2, 3, 4, 9, and if possible 8; major (17 hours), courses 1, 2, 3, 8, or 9; minor (17 hours), as for 17-hour major; minor (12 hours), courses 1, 2, 8, and, if possible, 9. It is very desirable that prospective teachers of Mathematics should add all or part of courses 5, 7, 20. They will thus get ideas that will vivify their teaching. It is also desirable that Physics should accompany Mathematics even if to do so the amount of Mathematics taken be diminished.

COURSES

A. Solid Geometry—Prerequisite: Five points high school credit. Five hours attendance. Five hours credit. First and second semesters.

1. Algebra and Plane Trigonometry—Prerequisite: Six points high school credit. Five hours attendance. Five hours credit. First and second semesters.

Professor Candy, Professor Engberg,

Associate Professor Brenke,

Mr. Johnson, Miss Runge, Miss Bennett,

Miss Ernsberger, Miss Holmes

2. Analytical Geometry and Calculus—Five hours attendance. Five hours credit. First and second semesters.

Professor Candy,

Associate Professor Brenke, Mr. Johnson,

Miss Runge, Miss Bennett, Miss Ernsberger,

Miss Holmes

3. Analytical Geometry and Calculus—Five hours attendance. Five hours credit. First and second semesters.

Professor Candy, Professor Engberg,

Associate Professor Brenke, Mr. Johnson

4. Calculus—3 continued. Five hours attendance. Five hours credit. First and second semesters.

Head Professor Davis, Professor Candy,

Professor Engberg,

Associate Professor Brenke

5 (formerly course 7). **Differential Equations**—Prerequisite: Course 4. Two hours attendance. Two hours credit. First semester.

Professor Candy

6 (formerly course 8). **Differential Equations**—5 continued. Second semester.

7 (formerly course 6). **Theory of Probability**—Three hours attendance. Three hours credit. Second semester.

Professor Engberg

8 (formerly course 13). **College Algebra**—Primarily for those intending to teach mathematics. Two hours attendance. Two hours credit. Second semester.

Professor Engberg

9 (formerly course 25). **Mathematical Pedagogy**—Three hours attendance. Three hours credit. Second semester.

Professor Candy

10 (formerly course 15). **Advanced Algebra**—Three hours attendance. Three hours credit. First semester.

Professor Engberg

11 (formerly course 16). **Advanced Algebra**—10 continued. Second semester.

12 (formerly course 19). **Theory of Functions**—Three hours attendance. Three hours credit. First semester.

Associate Professor Brenke

13 (formerly course 20). **Theory of Functions**—12 continued. Second semester.

14. **Elliptic Functions**—Three hours attendance. Three hours credit. First semester.

Head Professor Davis

15. **Elliptic Functions**—14 continued. Second semester.

16 (formerly course 33). **Harmonic Analysis**—Applied to the Partial Differential Equations of Mathematical Physics. Source of these equations. Methods of solution. Theory of Fourier's series. Other series of normal functions. Solutions in series of cylindrical, zonal, spherical and ellipsoidal harmonics. Three hours attendance. Three hours credit. First semester.

Associate Professor Brenke

17 (formerly course 34). **Harmonic Analysis**—16 continued. Second semester.

18 (formerly course 23). **Mathematical Logic**—Three hours attendance. Three hours credit. First semester.

Head Professor Davis

19. **Principles of Mathematics**—Three hours attendance. Three hours credit. First semester.

Head Professor Davis

22 (formerly course 9). **Advanced Analytical Geometry**—Prerequisite: Course 5. Three hours attendance. Three hours credit. First semester.

Professor Candy

23 (formerly course 10). **Advanced Analytical Geometry**—22 continued. Second semester.

24 (formerly course 17). **Modern Geometry**—Two hours attendance. Two hours credit. First semester. Professor Engberg

25 (formerly course 18). **Modern Geometry**—24 continued. Second semester.

20 (formerly course 11). **Geometry of Position**—Three hours attendance. Three hours credit. First semester. Mr. Johnson

21 (formerly course 12). **Geometry of Position**—20 continued. Second semester.

26 (formerly course 21). **Imaginarities in Geometry**—Two hours attendance. Two hours credit. First semester. Head Professor Davis

27 (formerly course 22). **Imaginarities in Geometry**—26 continued. Second semester.

28. **Differential Geometry**—Two hours attendance. Two hours credit. First semester. Head Professor Davis

29. **Differential Geometry**—28 continued. Second semester.

30. **Vector Analysis**—Three hours attendance. Three hours credit. First semester. Head Professor Davis.

31. **Statistics**—Statistical problems. Interpretation of statistics. Prerequisite: Courses 1 and 2. Three hours attendance. Three hours credit. First semester. Professor Engberg

32. **Insurance**—Mathematical principles of insurance, especially of life insurance. Prerequisite: Courses 1 and 2. Three hours attendance. Three hours credit. Second semester. Professor Engberg

Biometry

The mathematical theory of evolution. A mathematical analysis of botanical and biological problems. An extended knowledge of mathematics is not necessary, although of great aid. The work is intended primarily for advanced students in the natural sciences who can apply this work to their researches, but it is open to other students.

35 (formerly course 27). **A Review of Preliminary Mathematics**—Followed by study of various frequency curves and applications to individual problems. Two hours attendance. Two hours credit. First semester. Professor Engberg

36 (formerly course 28). **A Review of Preliminary Mathematics**—35 continued. Studies in error correlations of frequency constants, variation, organic correlation, regression, heredity, spurious correlation and fix ture of type. Two hours attendance. Two hours credit. Second semester. Professor Engberg

37 (formerly course 29). **Studies in Organic and Fraternal Correlation and Problems in Heredity**—One hour attendance. One to three hours credit. First semester. Professor Engberg

38 (formerly course 30). Studies in Organic and Fraternal Correlation and Problems in Heredity—37 continued. Second semester.

MILITARY SCIENCE AND TACTICS

Captain Halsey E. Yates, 17th Inf., U. S. A., Commandant

By the rules of the Board of Regents, all male students in the College of Arts and Sciences, the College of Agriculture, the College of Engineering, the Teachers College and the long-term students in the School of Agriculture are required forthwith after matriculation to take military work. The requirements cover four semesters.

The annual cadet encampment is held at such time as the Chancellor and Commandant may direct. During the encampment instruction is given in Minor Tactics.

Infantry Drill

Required of all cadets except members of the Band

A1. First Year Infantry Drill—(a) First Battalion: practical—infantry drill and rifle practice. Four hours attendance. One hour credit. First semester. (b) Second Battalion: practical—infantry drill and rifle practice. Three hours attendance. First semester. Captain Yates

A2. First Year Infantry Drill—(a) First Battalion: practical—same as A1 and guard duty. Four hours attendance. One hour credit. Second semester. (b) Second Battalion: practical—same as A1. Three hours attendance. Second semester. Captain Yates

AA1. Second Year Infantry Drill—(a) First Battalion: practical—same as A1 and drill-master work. Four hours attendance. Theoretical—Small Arms Firing Manual and Manual of Guard Duty. Three hours attendance per week during November, December and January. One hour credit. (b) Second Battalion: practical—same as for first battalion. Three hours attendance. Theoretical—same as for first battalion. One hour credit. Captain Yates

AA2. Second Year Infantry Drill—(a) First Battalion: practical—same as AA1. Theoretical—field service regulations during February. Three hours per week. Lectures by Commandant. One hour credit. (b) Second Battalion: practical—same as AA1. Theoretical—same as for first battalion. Three hours attendance. One hour credit. Captain Yates

AAA1. Third Year Infantry Drill—Second Battalion: practical—same as AA2 and drill master work. Three hours attendance. One hour credit. Captain Yates

AAA2. Third Year Infantry Drill—Second Battalion: practical—same as AAA1. Three hours attendance. One hour credit.

Captain Yates

Cadet Band

The Cadet Band is open to all male students. Cadets not in the band who desire to transfer to it may apply to the Commandant.

The band is organized as a part of the first battalion and is under military discipline at all times. One hour credit is given for each third and four year membership.

B1. First Year Cadet Band—(a) Music. Two hours attendance. (b) Practical—infantry and band drill. Two hours attendance. One hour credit.
(a) Mr. Hagenow
(b) Captain Yates

B2. First Year Cadet Band—B1 continued. Second semester.

BB1. Second Year Cadet Band—B2 continued. First semester.

BB2. Second Year Cadet Band—BB1 continued. Second semester.

Elective Courses

May be taken by cadets who have completed the required courses.

S1. Instruction of Cadets—Drill master work. Army papers. Lectures by Commandant. Open only to selected cadets who have shown exceptional ability in military science. Four hours attendance. Two hours credit. First semester. Captain Yates

S2. Instruction of Cadets—S1 continued. Second semester. Four hours attendance. Two hours credit.

MUSIC

3. Chorus Conducting—Singing and interpretation, including correct phrasing, diction, breathing, and the principles of voice production. The chorus will give a series of Vesper Services assisted by a string quartet. "The Messiah" and other works will be given with orchestral accompaniment. Three hours attendance. One hour credit. First semester.

Mrs. Raymond

4. Chorus Conducting—3 continued. Second semester.

PHARMACOLOGY

Professor Lyman

5. General Pharmacology—A course designed for teachers and students of biology who wish a general knowledge of the physiological action of drugs. The greater part of the time is devoted to the experimental study of the physiological and pathological changes induced by the narcotics and habit producing drugs. No prerequisites. One to two hours attendance. Two to four hours laboratory. One to two hours credit. First semester. Professor Lyman

6. General Pharmacology—Continuation of 5. Second semester.

PHILOSOPHY

Head Professor Wolfe, Professor Alexander, Professor Hinman, Mr. ———, Miss ———

The primary aim of work in Philosophy is to serve as an organizing discipline in a general education, and to correct the narrowness often incident to specialization. It is an efficient means for the development of breadth, balance, culture, and maturity. It lies nearer today than ever before, probably, to the various sciences, social, historical, biological, and physical, on the one hand, and to the requirements of practical life on the other. Students seeking to make this use of Philosophy may begin with either course 1, course 3, or course 4 as early as the first semester of the sophomore year, and should carry a course each semester thereafter, the complete program including both Psychology and General Philosophy. Third and fourth year students may also begin their work in Philosophy with any one of the following courses, 21, 30, 51. After the first introductory semester, courses from all sub-groups within the department are equally open to the student.

Another very important aim of the department is to aid in the professional training of teachers. Those who wish to secure the University Teachers' Certificate must take courses 1 and 2 in Elementary Psychology.

GRADUATE WORK

The department as now organized has full professors representing each main division of the subject. It is well supplied with library and laboratory facilities, and is enabled to offer ample facilities for graduate work.

Major or minor courses for advanced degrees are arranged for in Psychology, in Ethics, in Logic and Metaphysics, and in History of Philosophy. No special statement of the number of hours required either for the degree of Master of Arts or that of Doctor of Philosophy need be made. Courses are outlined for each individual case in conformity with the general regulations laid down by the Graduate Faculty. Owing to the nature of philosophy as a fundamental discipline in touch with all sciences, graduate students pursuing majors in other specialties will often find a minor in Philosophy of large value.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **Elementary Psychology**—A general introductory course, including the elements of descriptive, physiological, and experimental psychology. Designed for students who desire more than one semester in psychology. A good foundation is laid in two semesters for further studies in psychology, philosophy, or education. Botany 1 or Zoology 1 should precede or accompany this course. Not open to first year students. Required for the Teachers' Certificate. Three hours attendance. Two hours laboratory. Three hours credit. First semester. Head Professor Wolfe

2. **Elementary Psychology**—1 continued. Second semester.

3. **Elementary Psychology**—A briefer course in general psychology for students wishing the minimum requirements in this field. Not open to first

year students. Three hours attendance. Two hours laboratory. Three hours credit. Second semester. Head Professor Wolfe

4. **Logic, Deductive and Inductive**—Practice in logical analysis, the use of syllogism and inductive methods, and the detection of fallacies. Three hours attendance. Three hours credit. First and second semesters. Professor Hinman

I. Psychology

11. **Experimental Psychology**—Chiefly laboratory work. The student learns to manipulate all standard apparatus, and becomes somewhat familiar with present laboratory problems. Methods of investigation and of dealing with data are considered. In the second semester about half of the time is devoted to intensive investigation of some problem begun early in the year. Two hours credit. First semester. Head Professor Wolfe

12. **Experimental Psychology**—11 continued. Second semester.

13. **Genetic Psychology**—A comparative study of the animal mind. Readings and discussions on the methods of investigation, materials accumulated, and conclusions reached. Beginning with the lowest animals, evidences of intelligence are sought in several representative groups. Effort is made to realize the resemblances and differences between the mind of the higher animals and that of man. Two hours attendance. Two hours credit. First semester. Head Professor Wolfe

14. **Genetic Psychology**—A study of the child mind in development. Essentially a course in the evolution of the individual. The class surveys the material of "child study" on infancy, childhood, and adolescence, reviews normal psychology, and studies old age. A few weeks are given to certain typical forms of abnormal mind, arrested development and genius. Two hours attendance. Two hours credit. Second semester. Head Professor Wolfe

16. **Educational Psychology**—A practical study of the factors which influence the development of body and mind. May be applied on required hours in education. Two hours attendance. Two hours credit. Second semester. Head Professor Wolfe

II. Ethics

21. **Introductory Ethics**—A study of the fundamental principles of morals. Two hours attendance. Two hours credit. First semester. Professor Alexander

23. **Advanced Ethics**—The object of this course, running for two years, is the intensive study of dominant types of modern ethical systems. Each semester a section of the history of recent ethical debate is chosen for study, and the relevant classical works are analyzed. During 1910-1911 the development of intuitionism, utilitarianism, and idealism will be ex-

amined, involving familiarity with the writings of Martineau, Bentham, Mill, Sedgwick, Kant, Green, Bradley and Taylor. Two hours attendance. Two hours credit. First semester. Professor Hinman

24. **Advanced Ethics**—23 continued. Second semester.

25. **Advanced Ethics**—During 1911-1912 the object of study will be the evolution of man's moral nature and conduct, and the evolutionary theory of ethics. The relation of this theory to utilitarianism and to idealism will be developed, and attention given to the writings of Darwin, Spencer, Stephen, Sutherland, Westermarck, Alexander, Wundt, and Hobhouse. Two hours attendance. Two hours credit. First semester.

Professor Hinman

26. **Advanced Ethics**—25 continued. Second semester.

III. Metaphysics and Philosophy of Science

30. **Introduction to Philosophy**—Develops the philosophical conception of Reality as Mind, and applies it in some detail to the interpretation of the system of the sciences. Deals with such ruling ideas as those of matter, force, life, heredity, evolution, purpose, mind, reason, God. Designed to meet the needs of the scientific and general student, and to serve also as a preparation for further work in philosophy. Lectures. Three hours attendance. Three hours credit. First and second semesters.

Professor Hinman

30a. **Philosophical Themes**—Students who have taken or are taking course 30 may mature themselves in this subject and secure additional credit by preparing papers in connection with assigned topics, and carrying out the library work which these involve. No further class attendance. One to three hours credit.

Professor Hinman

31. **Philosophy of the State and of History**—A lecture course analyzing the main historical conceptions concerning the foundation and proper purpose of political government, in the light of modern philosophy; discussing also the nature, driving forces, and meaning of historical development. One hour attendance. One hour credit. First semester.

Professor Hinman

23. **Advanced Metaphysics**—A systematic study of contemporary metaphysical thought, based upon such works as Taylor's *Elements of Metaphysics*, Ormond's *Concepts of Philosophy*, and Laurie's *Synthetica*. May be carried profitably by the student who has completed course 30. Three hours attendance. Three hours credit. First semester.

Professor Hinman

34. **Advanced Metaphysics**—33 continued. Second semester.

37. **Logic of Science**—Deals with the nature of conception, judgment, and inference, with reference both to general philosophical results and to the methodology of science. Bosanquet's larger *Logic* is the basis of the course. Two hours attendance. Two hours credit. First semester.

Professor Hinman

38. **Logic of Science**—37 continued. Second semester.

IV. Aesthetics

41. **Philosophy of Criticism**—Origin and development of the different types of artistic expression; the formation and significance of art traditions; analysis of such conceptions as naturalism, symbolism, realism, idealism, classicism, romanticism, etc. Two hours attendance. Two hours credit. First semester. Professor Alexander

42. **Philosophy of Criticism**—41 continued. History of aesthetic criticism. Aristotle's *Poetics*, Longinus *On the Sublime*, and other treatises, are read in English. (Course 41 not necessarily prerequisite.) Two hours attendance. Two hours credit. Second semester. Professor Alexander

V. History of Philosophy

50. **Humanism**—Historical phases of the conception of culture: The Graeco-Roman ideal of enlightened living; humanism of the Italian Renaissance; the 18th century "Enlightenment" and political humanitarianism; the metaphysical humanisms of today. Two hours attendance. Two hours credit. Second semester. Professor Alexander

51. **History of Philosophy**—Survey of the principal philosophical systems in their development and relation to the political and social conditions of their times. Three hours attendance. Three hours credit. First semester. Professor Alexander

52. **History of Philosophy**—51 continued. Second semester.

53. **Greek Philosophy**—The Pre-Socratic Period: The Mediterranean races; origins of civilization; rise of European thought, religious, mythical, scientific, and speculative, with especial reference to the social and physical conditions of ancient life. Two hours attendance. Two hours credit. First semester. Professor Alexander

54. **Greek Philosophy**—Socrates and Plato. Two hours attendance. Two hours credit. Second semester. Professor Alexander

[53a. **Greek Philosophy**—Aristotle and the Post-Aristotelian Period: The ethical schools; progress of Science; later development of Greek religion. Two hours attendance. Two hours credit. First semester. Professor Alexander]

Not given in 1910-1911.

[54a. **Greek Philosophy**—Influence of Greek Thought: Especial attention to Lucretius, Cicero, and St. Augustine. Two hours attendance. Two hours credit. Second semester. Professor Alexander]

Not given in 1910-1911.

[55. **Patristic and Scholastic Philosophy**—The thought of the Church Fathers and the Schoolmen of the Middle Ages.]

Not given in 1910-1911.

[56. **Patristic and Scholastic Philosophy**—55 continued.]

Not given in 1910-1911.

57. German Idealism—Kant and Hegel. First semester devoted to the Critical philosophy. Brief study of background of Criticism in English Empiricism; careful study of teachings of Kant's three *Critiques*. Two hours attendance. Two hours credit. First semester. Professor Hinman

58. German Idealism—57 continued. Development of Kantian doctrine in its idealistic phases by his successors briefly traced; culmination of post-Kantian Idealism studied at length in Hegel's *Smaller Logic*. Second semester. Professor Hinman

57a. English Empiricism in the Nineteenth Century—Mill and Spencer. After a brief study of Hume, the development of Empiricism will be traced in the Associational school, and its culminating phases in the philosophical views of John Stuart Mill will be analyzed in detail. Two hours attendance. Two hours credit. First semester. Professor Hinman

58a. English Empiricism in the Nineteenth Century—57a continued. Spencer's *Synthetic Philosophy*. Second semester.

VI. History and Philosophy of Religion

60. Philosophy of Religion—Nature and meaning of religion and grounds of religious belief in view of the rational interpretation of the universe made by modern science and philosophy. Origin and evolution of religion, the psychology of religion, arguments for the existence of God, modern conceptions of God and Immortality. One hour attendance. One hour credit. Second semester. Professor Hinman

[61. History of Religion—After an examination of the origin of religion and its form among primitive peoples its history is traced at some length among the Aryans, and more briefly among Chinese, Japanese, Egyptians, Babylonians, and the Semitic races. The greater religions are analyzed in order to explain and evaluate the philosophical views which they involve. Three hours attendance. Three hours credit. First semester. Professor Hinman]

Not given in 1910-1911. Given in 1911-1912.

[62. History of Religion Among the Hebrews (briefer course)—Essentially a library course on the development of Israel's religious ideals, as reflected in the Old and New Testaments, and interpreted in the spirit and by the methods of the higher criticism. Open only to students who have had course 30 or course 61, or other work of equal value for training to critical and constructive thinking in this field. Lectures, conferences, and readings. Three hours credit. Second semester. Professor Hinman]

Not given in 1910-1911. Given in 1911-1912.

63. History of Religion Among the Hebrews (fuller course)—A systematic study of the religious history and literature of Israel, with the aid of the philosophical, scientific, and literary auxiliaries now available. The course will be open to students who have not had previous philosophical work; for the best results, however, it should be either preceded, accompanied, or followed by the introduction to philosophy (course 30). Lectures and readings. Two hours attendance. Two hours credit. First semester.

Professor Hinman

64. **History of Religion Among the Hebrews** (fuller course)—63 continued. Second semester. To alternate with courses 61 and 62. Given in 1910-1911.

65. **Advanced Reading in History and Philosophy of Religion**—A library course on the religious literature, philosophy and institutions of the culture nations, both oriental and occidental. Open only to students who have carried course 30 and either courses 61 and 62 or 63 and 64. One to three hours credit. Professor Hinman

PRIMARILY FOR GRADUATES.

71. **Psychological Seminary**—The year will be given to the study of some problem, or group of closely allied problems, to be definitely determined by the interests of the members of the seminary. Seniors who have had 1 and 2, and who are taking 11 or 12 may elect this course. During the year 1910-1911 the Psychology of Movement, or the Psychology of Attention may be considered. Two hours attendance. Two hours credit. First semester. Head Professor Wolfe

72. **Psychological Seminary**—71 continued. Second semester.

73. **Ethical Seminary**—Study of special problems in ethics. Two hours attendance. Two hours credit. First semester.

74. **Ethical Seminary**—73 continued. Second semester.

75. **Seminary in Logic and Metaphysics**—Philosophical basis of contemporary physics, with special reference to the significance of mechanics, and its bearing upon the other departments of science. The critical discussions of such men as Rankine, Mach, Pearson, and Poincaré will be closely examined. The studies of the course are based upon Rey's *La theorie de la physique chez les physiciens contemporains*. Three hours attendance. Three hours credit. First semester. Professor Hinman

76. **Seminary in Logic and Metaphysics**—75 continued. Second semester.

PHYSICAL EDUCATION

Professor Clapp, Miss Gittings, Miss Barger, Miss Beghtol, Mr. Field

GENERAL INFORMATION

The practice courses in physical education are open, as electives, to men. No students may take work in the department without regular registration.

Members of all classes in physical education and of all University athletic teams are required to take a physical examination at the beginning of the college year or at the beginning of the semester in which that training begins.

Unless excused, all women are required to take physical training four days per week for the first two years.

The general health of all women in this department is carefully looked after by the director of the women's gymnasium and the examining physician for women. Special medical gymnastics is given to those whose health does not permit them to take the general class work.

Men are required to wear gray Turner trousers, navy blue sleeveless jerseys and heelless shoes. Women are required to wear uniform gymnasium suits, which should under no conditions be ordered before consulting the instructor.

TEACHERS' CERTIFICATE IN PHYSICAL EDUCATION

The University Certificate in Physical Education is granted to graduates of the University who have satisfied all the special requirements given below and whose work in general, special and professional subjects has been of a high order. Graduates from other universities and from colleges of high rank may receive this certificate upon the same terms as graduates of this institution. Students not graduates of this University or of institutions of equal rank, who complete this course, receive statements to that effect and also credit for their work toward a degree. Requirements: Rhetoric 1 and 2; Chemistry 1 and 2; Zoology 1, 2, 8a; Anatomy 15 and 16; Physiology 1 and 2; Philosophy 1 and 2; Physical Education (theory) 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 17, 18 and 20 for both men and women (except 5, which is not required for women); Physical Education (practice) 13, 14, 15, 16, 31 and 32 for men, 21, 22, 23, 24, 33 and 34 for women. Ability to use the common strokes in swimming is also required. The professional work for the certificate should be taken with other undergraduate studies.

Physical Education—Theory

1. **Hygiene**—Advantages of regular exercises. Bathing and clothing. Care of the eye. Respiration and circulation. Digestion: foods, their value, source and digestibility. Stimulants and narcotics. Water supply. Ventilation, heating, draining, plumbing, sewage. Special physiology and personal purity. Two hours attendance. Two hours credit. First semester.

Professor Clapp

2. **Physical Diagnosis**—Theory and practice of normal and abnormal physical signs of the thoracic organs. Two hours attendance. Two hours credit. Second semester.

Professor Clapp

3. **Anthropometry**—History. Measurements, their statistical and diagnostic value. Practice in taking and recording measurements and in making charts. Laws of human proportion. Average, mean, and ideal types. Analysis and critical inspection of measurements and personal histories for determining fitness for gymnastic work. Two hours attendance. Two hours credit. First semester.

Miss Gittings

4. **Applied Anatomy**—Muscles and their relation to common gymnastic and athletic movements. Presupposes a knowledge of anatomy. Two hours attendance. Two hours credit. Second semester.

Miss Gittings

5. **General Athletic Training**—Theory of training for all branches of athletics. Ancient and modern methods. Diet, sleep, bathing and rubbing. One hour attendance. One hour credit. First semester.

Professor Clapp

6. **Emergencies**—First aid treatment in case of accidents, such as fractures, dislocation, wounds, hemorrhages, poisoning and drowning. Bandaging, nursing, and general care of the sick. Recitations and demonstration. One hour attendance. One hour credit. Miss Gittings

7. **Kinesiology**—Aims, varieties and effects of gymnastic movements. Swedish and German methods. Gymnastic terminology. Hygienic, educative and recreative exercises. Two hours attendance. Two hours credit. First semester. Miss Gittings

8. **Physiology of Bodily Exercise**—Physiological features of training, breathlessness, fatigue and stiffness. Testing respiratory movements and circulation before and after exercise. Two hours attendance. Two hours credit. Second semester. Professor Clapp

10. **Medical Gymnastics and Prescription of Exercise**—Corrective gymnastics as applied to abnormal conditions. Special lectures to women on pelvic anatomy. Massage. Theory and practice. Two hours attendance. Two hours credit. Second semester. Miss Gittings

11. **History and Literature of Physical Education**—Ancient and modern literature covered by assigned readings, digests, reports, discussions, and lectures. One hour attendance. One hour credit. First semester. Miss Gittings

12. **Methods and Equipment of a Department**—Gymnasium and athletic field; construction, equipment, organization, rules and management. One hour attendance. One hour credit. Second semester. Professor Clapp

Not given in 1910-1911.

[17. **Methods in Teaching**—(Consult instructors before registering.) Two hours attendance. Two hours credit. First semester. Men, Professor Clapp; women, Miss Gittings]

Not given in 1910-1911.

18. **Methods in Teaching**—17 continued. Second semester.

20. **Track Athletics**—(Consolidation of previous courses known as Physical Education 19 and 20), Theory and practice. Technique of track and field athletics. Systematic preparation for indoor and outdoor athletic events. Two hours theory and two hours practice. Two hours credit. Second semester. Professor Clapp

35. **Hygiene**—A thorough course in Hygiene planned for students of the Teachers College and others who expect to teach the subject or to have charge of the sanitation of public school buildings. For information in regard to course see Teachers College announcement. Two hours attendance. Two hours credit. Professor Clapp

36. **Hygiene**—Course 35 continued. Second semester.

Physical Education—Practice

MEN—FIRST YEAR

13. **Gymnastics**—Light gymnastics—free hand body building work and wands. Heavy gymnastics—elementary exercises on parallel bars, side and

long horse, buck, vaulting and horizontal bar and tumbling. Games and contests. Boxing and wrestling. Three hours attendance. One hour credit. First semester. Mr. Field

14. **Gymnastics**—13 continued. Light gymnastics—Indian clubs, dumb bells, and bar bells. Heavy gymnastics—more advanced work on all the heavy apparatus. Gymnastic and athletic games and contests. Boxing and wrestling. Three hours attendance. One hour credit. Second semester. Mr. Field

Students who have registered and received credit for courses 13 or 14 will not hereafter be allowed to re-register for the same course.

MEN—SECOND YEAR

15. **Gymnastics**—Advanced course. Light and heavy gymnastics. For those who have completed courses 13 and 14 or their equivalent. Wrestling and fencing. Two hours attendance. One hour credit. First semester. Professor Clapp

16. **Gymnastics**—15 continued. Second semester.

31. **Leaders' Class**—Members must be proficient in all forms of gymnastics. Consult instructor before registering. One hour credit. First semester. Professor Clapp

32. **Leaders' Class**—31 continued. Second semester.

WOMEN—FIRST YEAR

21. **Light Gymnastics**—Swedish gymnastics. Correction of improper walking and standing positions. Elementary dancing and gymnastic games. Lectures in personal hygiene. Four half hours' attendance. One hour credit. First semester. Miss Gittings, Miss Beghtol

22. **Light Gymnastics**—21 continued. Elementary work on balance beams, spring boards, stall bars, booms, ropes, etc. Four one-half hours' attendance. One hour credit. Second semester.

Miss Gittings, Miss Beghtol

WOMEN—SECOND YEAR

23. **Light Gymnastics**—Military marching. German gymnastics, dumb bells, wands, and Indian clubs. Elementary exercises on horse, parallel bars, flying rings and buck. Athletic and gymnastic games. Folk and artistic dancing. Four half-hours' attendance. One hour credit. First semester. Miss Gittings, Miss Beghtol

24. **Light Gymnastics and 23 continued**—Basketball, indoor baseball, field hockey and tennis. Four half-hours' attendance. One hour credit. semester. Miss Gittings, Miss Beghtol

33. **Light and Heavy Gymnastics**—(For Normal Training students only.) Advanced Swedish gymnastics on stall bars, boom, parallel bars, ropes, poles, etc. Swedish song-games, folk and aesthetic dancing. Indoor baseball, tennis, basketball and swimming. Six hours attendance. One hour credit. Miss Gittings

34. **Light and Heavy Gymnastics**—(For Normal Training students only)—33 continued. Advanced work with dumb bells, wands and Indian clubs. Advanced apparatus work on horse, parallel bars, flying and traveling rings, spring board, buck, etc. Fencing. Six hours attendance. One hour credit. Miss Gittings

PHYSICS

Professor Skinner, Professor Moore, Professor Almy, Assistant Professor Heck, Assistant Professor Tuckerman

For undergraduates the courses in general and experimental physics (1, 2, 3, 4) or the corresponding numbers with the letter *a* are best taken in sequence and are prerequisite to all others. For these, two credit points under the requirements for admission to the University (in which laboratory experience is essential) are necessary. Those having sixty hours credit in the University are, however, exempt from this requirement. Some knowledge of trigonometry (which may be acquired by private study) is also needed.

Courses 5 and 6 are for students in electrical engineering.

For the Teachers' Certificate courses 1, 2, 3, 4 (three hours each), 15 and 16 (two hours each) are required for a major in physics. For a minor either 15 or 16 may be dropped from the requirement for a major.

GRADUATE WORK

For graduate students instruction is given in both theoretical and experimental physics. Lectures are offered on general theoretical and experimental branches of the subject and also on special topics along the line in which the lecturer is himself engaged in research.

Experimental research is being conducted at present along the following lines: mechanical, thermal and electrical properties of solutions; magnetic and electric deflection of canal rays; electrode fall and potential gradient in gases; spark potentials in gases as affected by wave form and frequency of applied potential; magnetic rotation and ellipticity of light reflected from metal mirrors; anomalous rotation and ellipticity produced by active solutions; phase change by reflection of light from substances possessing selective absorption; and magnetic separation of spectral lines.

General theoretical physics (Courses 21, 22, 23, 24, 25) is covered in five semesters with four hours lectures weekly, while the special courses are given as the occasion demands.

For the degree of Master of Arts the candidate may offer one major subject and one minor, but is advised to offer only a major, in order that he may devote his time toward completing an investigation which is acceptable for publication in some standard journal of science. In addition to a completed investigation a fair knowledge of theoretical physics is expected. For attaining this degree two years' graduate work is usually necessary.

For the degree of Doctor of Philosophy the same progress beyond the master's as that represents over the baccalaureate is required. Three years' graduate work, that is, one year after obtaining the master's, should

be sufficient for this degree. In addition to the work in physics, the candidate must offer two minors from mathematics, chemistry, astronomy, or philosophy.

General and Experimental Physics

COURSES PRIMARILY FOR UNDERGRADUATES

1. **General and Experimental Physics**—Mechanics of solids and fluids. Two hours lecture with illustrative experiments. Solution of problems. Four hours laboratory. Three hours credit. First semester.

Professor Almy, Assistant Professor Heck, Mr. Spencer

2. **General and Experimental Physics**—Heat and sound. As in 1. Second semester.

3. **General and Experimental Physics**—Electricity. Two hours lecture with illustrative experiments. Four hours laboratory. Two or three hours credit. First semester.

Professor Skinner, Professor Moore, Mr. Spencer

4. **General and Experimental Physics**—Light. As in 3. Second semester.

1a. **Lecture Course in General Physics**—Mechanics of solids and fluids. Two hours lecture with illustrative experiments. Two hours credit. First semester.

Professor Almy, Assistant Professor Heck, Mr. Spencer

2a. **Lecture Course in General Physics**—Heat and sound. As in 1a. Second semester.

Professor Almy, Assistant Professor Heck, Mr. Spencer

3a. **Lecture Course in General Physics**—Electricity. As in 1a. Two hours credit. First semester.

Professor Skinner, Mr. Spencer

4a. **Lecture Course in General Physics**—Light. As in 1a. Two hours credit. Second semester.

Professor Skinner, Mr. Spencer

5. **Problems in Electricity**—(Prerequisite: Course 3.) Two hours attendance. Two hours credit. Second semester.

Assistant Professor Tuckerman

6. **Electrical Measurements**—(Prerequisite: Courses 3 and 5.) Eight hours laboratory. Three hours credit. First semester.

Assistant Professor Tuckerman

7. **Exact Physical Measurements**—In heat, the determination of freezing and boiling points; in electrochemistry, the study of electrolysis, conductivities, electromotive forces and electrolytic polarization; in optics, the use of the spectroscope, diffraction grating, interferometer, polariscope and accessories. Open to students who are taking special work in physics, chemistry, or astronomy and experiments are selected to fit the demands of their specialty. One hour reading. Six hours laboratory. Three hours credit. First semester.

Professor Moore

8. **Exact Physical Measurements**—As in 7. Second semester.

15. Construction and Manipulation of Physical Apparatus (Teachers' course.)—Lectures on selection, adaptation, and organization of subject-matter in Physics for high schools. Construction and assembling of the simpler apparatus used in the laboratory and class-room of the accredited high schools; methods of demonstration in general physics. Practical work in glass blowing, grinding, cutting, etching, metal working, silvering and electroplating. Prerequisite: Courses 1, 2, 3, 4 (three hours each). Two hours lecture. Six hours laboratory. Two hours credit. First semester.
Professor Brownell, Mr. Spencer

FOR UNDERGRADUATES AND GRADUATES

17. Advanced Experimental Physics—Exact determination of physical constants, requiring a careful duplication of some classic experiments in physics in which a single experiment is expected to cover a period of about one semester, or an introduction to research. Fifteen hours laboratory. Five hours credit. First semester.

Professor Skinner, or Professor Moore, or Professor Almy

18. Advanced Experimental Physics—As in 17. Second semester.

PRIMARILY FOR GRADUATES.

Research—Original investigation of some problem in physics. No time limit imposed. Less than fifteen hours a week is not advisable.

Professor Skinner, or Professor Moore, or Professor Almy

Theoretical Physics

PRIMARILY FOR GRADUATES.

21. Dynamics of Discrete Particles—Formal development of the general principles of mechanics: D'Alembert's Principle—Gauss' Principle of Least Constraint—Hamilton's Principle of Least Action—La Grange's Equations—Hamilton's Canonical Equations—Applications to special problems. Four hours lecture. Four hours credit. First semester.

Assistant Professor Tuckerman

22. Elasticity and Hydrodynamics—*Elasticity*: Deformations of homogeneous media, isotropic and crystalline; vibrations of isotropic media; applications to special problems. *Hydrodynamics*: Irrotational and vortex motions; scalar and vector potentials; application to mechanical theories of electromagnetic phenomena. 21 continued. Second semester.

Assistant Professor Tuckerman

23. Electricity and Magnetism—The fundamental equations of Maxwell, applied to the theory of Static, Stationary, Quasistationary, and Kinetic Electromagnetic fields. A short outline of Vector Analysis and Quaternions (Hamiltonian and Continental Notations) is given as an introduction. Four hours. First semester.

Assistant Professor Tuckerman

24. Electro-Optics—Electromagnetic oscillations and their application to the theory of light. 23 continued. Second semester.

Assistant Professor Tuckerman

25. **Theory of Heat**—Development of the principles of thermodynamics from the two "fundamental laws," also conduction and radiation. Four hours credit. One semester. Professor Skinner

26. **Theory of Sound**—Theory of small oscillation of strings, bars, and air columns; propagation of sound. Three hours credit. One semester. Professor Almy

27. **Optics**—Theory of ray systems; application to optical instruments. Three hours credit. One semester. Professor Skinner

28. **Thermo- and Electro-Chemistry**—Three hours credit. One semester. Professor Moore

29-30. **Theory of Changes of Physical State and Chemical Constitution of Bodies**—Two hours credit. First and second semesters. Professor Moore

31. **Thermodynamics of Radiation**—Four hours lecture. Four hours credit. One semester. Assistant Professor Tuckerman

32. **Electric Conduction in Gases**—Faraday's law; ionic velocities; cathode rays; radioactivity; electron theory. Two hours credit. One semester. Professor Skinner

33. **Thermo-Electricity**—Two hours credit. Second semester. Assistant Professor Heck

Physical Colloquium—Instructors and graduate students meet weekly for presentation of short papers on the progress of their investigations and those reported in current periodicals.

PHYSIOLOGY

Professor Guenther

A consideration of the facts and theories of vital phenomena with special emphasis upon secretion, digestion, absorption, metabolism, circulation, respiration, animal heat, the central nervous system, special senses and reproduction.

Courses 1 and 2 are intended for students desiring a general knowledge of human physiology. Although they are open to all students a preparatory year in general zoology is highly recommended. Students must not enter upon courses 12 and 13 without the prerequisite courses in general biology, physics, chemistry, histology, mammalian anatomy, embryology and neurology required of medical students.

Candidates for advanced degrees must have completed the general scientific course in this University, or its equivalent. The ability to read French and German is desirable. Candidates will consult with the head of the department before registering.

Master of Arts.—Second Minor: Courses 1 and 2. First Minor: Courses 1 and 2 and assigned reading. Major: Courses 1 and 2, assigned reading and thesis.

Doctor of Philosophy.—First or Second Minor: Courses 1, 2 and assigned reading. Major: Completion of an investigation acceptable for publication in some standard journal of science.

1. **Human Physiology**—Lecture, demonstration and laboratory course. Two hours lecture. Three hours laboratory. Two hours credit. First semester. Professor Guenther

2. **Human Physiology**—1 continued. Second semester.

12. **Advanced Physiology**—Four hours quiz. Eight hours laboratory. six hours credit. Second semester. Professor Guenther

13. **Advanced Physiology**—12 continued. Three hours quiz. Three hours laboratory. Four hours credit. First semester.

POLITICAL ECONOMY AND COMMERCE

Head Professor Taylor, Professor Virtue, Dr. Stephens, Dr. England

UNDERGRADUATES

For those intending to teach economics, Courses 13, 15*b*, and 10*a* and 10*b*, which serve as a model of the economic work for high schools, are recommended. Course 1 should be taken previously to all other courses except 3, 2, 13, and 10*a*.

A candidate for the Teachers' Certificate must have completed the following courses in order to make Political Economy and Commerce a major: 15*b*, 10*a* and 10*b*, 5, 2, 1, 12, 16.

COURSES APPROPRIATE TO STUDENTS OF DIFFERENT YEARS

SENIOR

First Semester
Seminary in Private Finance
Seminary in Economic Ethics
Recent Economic History
Scope and Methods
History of Political Economy
The Economic History of Nebraska

Second Semester
Seminary in Private Finance
Seminary in Economic Ethics
Advanced Political Economy
History of Recent Prosperity
Statistics and Prices
The Trust Problem

JUNIOR

Public Finance
History of Crises
Railway Problems
Insurance
History of Economics

Corporation Finance
Stock Exchanges
State and Local Taxation
Foreign Commerce of United States
Socialism

SOPHOMORE

Elementary Political Economy*
Accounting
Colonization

Elementary Political Economy*
Financial History of the United States
Work and Wages
Money and Banking
Colonization

* First year students are admitted to this course upon consultation with the teachers for the respective semesters.

FRESHMEN

First Semester	Second Semester
History of Commerce	American Industries
Geography of Commerce	Economic Exercises
Economic Exercises	English Economic History
American Economic History	
Business Organization	

GRADUATES

Master of Arts.—Second Minor: Six hours. First Minor: Ten hours. Major: Sixteen hours. The selection of courses is influenced by the special nature of the thesis undertaken and must be approved. More advanced courses are required in the major than in the minors. Both political economy and commerce are required for a second degree in proportion to the needs of the candidate. One who has pursued economic courses as a part of his undergraduate work is much better prepared to obtain good results in his thesis than if he comes inexperienced in the subject. In the latter case it is difficult to take the degree within the minimum period on account of the research demanded by the thesis. A knowledge of the principles of economics is a condition precedent to the undertaking of research.

The degree of Doctor of Philosophy is given on the completion of the course usual for that degree. The requirements for each candidate must be carefully arranged at private conference with the head of the department at the beginning of the candidacy.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **Political Economy**—Elementary course. Preliminary view of the subject with a text, intended as a general preparation for the more special courses offered in the department. The student is invited to conceive of industrial activity as a system, and is aided by a thorough system of questions and answers. While this course is best adapted to second-year or older students, there are many first-year students who can take it with advantage, and who will be permitted to do so upon consultation with the teachers in the respective semesters. Those who have already taken courses 2 and 10 have a desirable preparation for this rapid survey. Three hours attendance. Three hours credit. First semester and repeated in the second semester.

Head Professor Taylor, Professor Virtue

3. **Geography of Commerce**—A general survey of the fundamental physiographic conditions and human agencies affecting industrial and commercial development, followed by a careful study of topography, climate, natural resources, industries and commerce of each of the principal countries of the world. This course is intended to serve as an introduction to the much more detailed study of typical American industries given in course 2. Three hours attendance. Three hours credit. First semester.

Dr. Stephens

4. **American Industries**—A detailed study of typical agricultural, extractive and manufacturing industries of the United States. The methods of producing such important food products and raw materials as corn,

wheat, cotton, wool, live stock, forest products and iron ore, together with the general conditions underlying such production in the various districts, are studied with great care. The various methods of marketing and shipping these products are especially emphasized. After tracing the principal raw materials from the producer to the factory, the various processes involved in manufacturing finished products are outlined. Then the finished products are traced to the consumer, great emphasis again being laid upon marketing and shipping problems. Some of the industries are covered by lectures by the instructor and some by co-operative topical work on the part of the students. Three hours attendance. Three hours credit. Second semester.

Dr. Stephens

[5. **Business Organization**—A study of the general principles involved in up-to-date organizing of various businesses. Some of the principal topics considered are factory organization, factory cost-keeping, commercial organization of the factory, stock and produce exchanges, direct selling, wholesaling and retailing, traveling salesmanship, mail-order business, advertising, credits and collections. Three hours attendance. Three hours credit. First semester.

Dr. Stephens]

Given in 1911-1912.

7. **Accounting**—An interpretation of the fundamental principles of modern accounting from the standpoint of business manager and accountant. The course includes a study of the balance sheet; the assets and methods of valuation; the loss and gain account; cost accounts; the depreciation account; capital, surplus, reserve, and sinking funds. The treatment of the course centers about mercantile and manufacturing account. Three hours' attendance. Three hours credit. First semester.

Dr. Stephens

9. **Insurance**—The historical development of marine, fire, life, accident, health, liability and other forms of insurance is briefly outlined, and their economic importance shown. The essential features of insurance administration, governmental control and supervision of insurance companies, the various methods of computing premiums, the organization and management of agencies, taxation of insurance companies and other important questions are discussed. Special attention is given to a detailed comparative study of the chief provisions in various sample policy contracts. Three hours attendance. Three hours credit. First semester.

Dr. Stephens

10. **Work and Wages**—History of the modern labor movement; organization of labor; history of wages in the 19th century; theory of wages. Methods of remuneration; hours and conditions of labor; migration; elevation and degradation of labor; strikes, conciliation; voluntary and compulsory arbitration; voluntary and compulsory insurance; pensions; workmen in politics. Three hours attendance. Three hours credit. Second semester.

Dr. Stephens

11. **Colonization**—Private enterprise in the present colonial possessions of Germany, France, England, the United States, Russia, Holland, Spain, Portugal, Italy, Belgium, Norway, Austria, Turkey, Japan and China. The value of these colonies as outlets for population, as fields for invest-

ment, as sources of food supplies and raw materials, as markets for the goods of the mother countries. One hour attendance. One hour credit.

Dr. England

12. Colonization—Government colonial expenditures involved in the acquisition of colonies by purchase or by conquest; in establishing and maintaining authority; in increased international complications; in the support and development of the colonies. One hour attendance. One hour credit. Second semester.

Dr. England

13. History of Commerce—A general survey of the development of ancient and mediaeval commerce, followed by a more detailed study of modern commerce and industry. The course includes a discussion of the most important relations between commercial and political development, the important changes in industrial and commercial organization, the influence of great geographical discoveries and technical improvements, the causes of the various shiftings of commercial routes and centers, the influences of aesthetic tastes, religious beliefs and rivalries, social customs and moral teachings upon human demands, the attitude of various church organizations towards commerce, and the influence of different economic theories. Three hours attendance. Three hours credit. First semester.

Professor Virtue

14. American Commercial Policies—The course deals with our commercial policy as reflected in the schedules of the tariff laws and in the administrative features of those laws; with the various aids for the promotion of foreign trade, especially that rendered by the consular service; with the history of American shipping, the causes of its decline and the various efforts to restore it; and with the recent progress of our foreign trade and a study of our foreign markets. Three hours attendance. Three hours credit. Second semester.

Professor Virtue

16. Financial History of the United States—This course gives a survey of the financial operations of the federal government since 1789. It deals with revenue and expenditure, the management of the public debt, monetary and banking legislation, and the economic conditions which have given rise to popular demands for financial changes. Three hours attendance. Three hours credit. Second semester.

Professor Virtue

17a. American Economic History—A study of the economic development of the United States from colonial times to the present. Special attention is given to the settlement of the land and extension of farming area, to the application of machinery to agriculture, to the development of manufactures, to the increase in transportation facilities, and to the growth of internal and foreign trade. Text-book, weekly papers, and term report. Three hours attendance. Three hours credit. First semester.

Dr. England

17b. Exercises in Political Economy—Exercises intended to awaken in the student an organic conception of industrial society. Courses 17a and 17b treat of the matter recommended for high schools, and are intended as a beginning course for undergraduates as well as for those

expecting to teach in high schools. They may be registered for together, with four hours attendance and four hours credit. This course (17b) alone, one hour attendance and one hour credit. First semester.

Mr. _____

[18a. **English Economic History**—With especial reference to the industrial revolution. Three hours attendance. Three hours credit. Second semester.

Professor Virtue]

Given in 1911-1912.

18b. **Exercises in Political Economy**—Continuation of 17b. One hour attendance. One hour credit. Second semester. Mr. _____

FOR UNDERGRADUATES AND GRADUATES

2. **Money**—Credit, banking, and bimetallism. The nature and explanation of credit, its place and significance in industry and commerce; the banking systems of the principal countries and their history; the theory of banking; the relation of credit to production, to the price-level, and to the money market; the interrelation between credit and the monetary unit; the theory of the relation of the supply of the monetary metal to the level of prices and to the money market; the various propositions for decreasing fluctuations in prices by improving the monetary unit; the theory of justice between debtor and creditor and of the obligation of government to them. Lectures, discussions, readings, reports, and short theses. Three hours attendance. Three hours credit. Second semester.

Head Professor Taylor

19. **History of Political Economy**—History of economic theory in ancient and mediaeval times; beginning of modern political economy; the Cameralists, the Mercantile Doctrine; the Physiocrats; Adam Smith, Malthus, Ricardo, J. S. Mill and other classical economists. Two hours attendance. Two hours credit. First semester.

Dr. England

20. **Advanced Political Economy**—Comparative study of economic theory from Mill to the present day; the Historical School; Jevons and the Austrian School; Marshall and other recent English economists; theories of Clark, Carver, Fisher, Davenport and other recent American writers; recent economists of continental Europe. Three hours attendance. Three hours credit. Second semester.

Dr. England

22. **Socialism**—History of socialistic thought before the French Revolution; Utopias of Plato, More, Campanella; Utopian theories of Owen, Saint-Simon, Fourier; communistic experiments in Europe and America; Proudhon, Blanc, Marx, Lasalle; growth of socialist parties in Germany and throughout the world; recent socialistic theory and criticism. Two hours attendance. Two hours credit. Second semester.

Dr. England

23. **History of Economic Crises**—A comparative study of the economic, industrial, and financial crises of the seventeenth, eighteenth, and first half of the nineteenth centuries up to 1873. Supplementary readings on the theory of crises. Three hours attendance. Three hours credit. First semester.

Dr. England

[24. **Statistics and Prices**—A study of the preparation, interpretation and application of economic statistics with especial reference to prices; the determination of the rise and fall of general prices; the comparison of the movement of prices of raw materials and finished products; prices in relation to wages; price cycles; stock prices and profits. Three hours attendance and three hours credit. Second semester. Dr. England]

Given in 1911-1912.

25. **Recent Economic History**—An international study of the changing conditions underlying recent industry and commerce: the extension of transportation and of cultivated areas, the expansion of markets, the introduction of improvements, the reorganization of business, the nature of tariffs as cause or effect, the fluctuation of tariff legislation in the different countries, the relation of these changes to commercial crises, the theory of business progress explanatory of them. Four hours attendance. Four hours credit. First semester. Head Professor Taylor, Mr. ———

26. **The History of Recent Financial Prosperity and Depression**—The world crises of 1873, 1883, 1893, and 1903; the local and minor crises preliminary to the main crisis; the transmission of the crisis from country to country; the fluctuations in investment, bank items, and prices in the principal countries; the action and reaction between industrial activity and financial business; estimate of the prosperity of the world and of the principal countries year by year; the financial cycle as an element in industrial progress. Lectures, readings and reports. Four hours attendance. Four hours credit. Second semester.

Head Professor Taylor, Mr. ———

[27. **Seminary in Private Finance**—Reports on current financial events at home and abroad; separate topics of investigation assigned to different members. The topics relate to financial and industrial prosperity and depression, to crises and panics. The students are referred to the financial and industrial journals and periodicals as well as to current treatises, and the results of their several investigations are presented in annual reports at the end of the year. It is advisable to precede this course by course 2 and to accompany it when possible by courses 11 and 12. Two hours attendance. Two hours credit. First semester.

Head Professor Taylor]

Given in 1911-1912.

[28. **Seminary in Private Finance**—27 continued. Second semester.

Head Professor Taylor]

Given in 1911-1912.

30. **Corporation Finance and Investments**—This course includes an introductory study of the historical development of corporations, the advantages and disadvantages of large scale production, the various forms of combination such as pools, trusts and holding companies, federal and state anti-trust laws and decisions, followed by a detailed study of the methods of promoting and capitalizing larger combinations, and various other important problems involved in their financing. Special emphasis is given to the discussion of the merits and demerits of the stocks and

bonds of industrial, public service and railroad corporations as investments, and the stock market methods underlying their purchase and sale. The financial development of numerous typical corporations is studied from their reports and from other sources, as a basis for judging the merits of their securities as investments. Two text-books are used and these are supplemented by lectures and topical reports. Three hours attendance. Three hours credit. Second semester.

Dr. Stephens

31. Public Finance—The course embraces a study of the objects and growth of public expenditures of the leading nations, especially of England and the United States; the leading features of their tax systems and the principles on which the various forms of taxation rest; the forms and management of public indebtedness; and the systems developed for financial administration. A large part of the time is given to taxation and to the current movements, at home and abroad, for amelioration. Three hours attendance. Three hours credit. First semester.

Professor Virtue

32. State and Local Taxation—A seminary course on state and local taxation with especial reference to the history and present situation of taxation in Nebraska. A comparative study of the movement in various states for tax reform will be made. Open only to those who have had course 31, or its equivalent. Three hours attendance. Three hours credit. Second semester.

Professor Virtue

33. Railway Problems—A history of the development of the means of transportation, especially in the United States; the activity of the states in securing internal improvements; the characteristics of construction and management of railroads; their relation to economic development; rail and water competition; financial methods of the railway companies; rate policies; state and federal legislation; control by public commission; government ownership and its results. Three hours attendance. Three hours credit. First semester.

Professor Virtue

[34. The Trust Problem]—The rise and development of trust forms of business organization. The conditions essential to the operation and growth of trusts. The elements of large-scale production and monopoly entering into the formation of trusts. Dangers arising from their unrestricted operation, and remedies, including governmental interference. Three hours attendance. Three hours credit. Second semester.

Dr. Stephens]

Given in 1911-1912.

35. Stock and Produce Exchanges—Boards of Trade—A description of the nature of the business carried on in the Paris Bourse, the Stock Exchange of London, the New York Stock Exchange, the New York Produce Exchange, the New York Coffee Exchange, the Cotton exchanges of New Orleans, Liverpool, and New York, and the Chicago Board of Trade. Options and futures, puts, calls and straddles. Corners in stocks, wheat, corn, cotton, copper, gold, iron, lard, etc. Study of the lives of great operators, such as Jacob Little, Daniel Drew, Jay Gould, James Fisk, Commodore Vanderbilt, Jay Cooke, Henry Villard and the Rothschilds.

The legitimate field of the exchange business, its abuse, and control exercised and sought to be exercised in this and other countries. Three hours attendance. Three hours credit. Second semester. Dr. England

[36. **The Economic History of Nebraska**—A seminary course dealing with the economic development of the state. Open to advanced students prepared for the work of original investigation. Two hours attendance. Two hours credit. Professor Virtue]

Given in 1911-1912.

37. **Economic Ethics**—Seminary on the ethical bearing of recent tendencies in business and corporation management, and on the relation of those tendencies to prosperity. Two hours attendance. Two hours credit. First semester. Head Professor Taylor

38. **Economic Ethics**—Continuation of 37 in the second semester.

Head Professor Taylor

[39. **Scope and Method of Political Economy**—In this course the limits of economics and its relation to other sciences will be indicated. Practical exercises in the solution of the various types of economic problems will be employed to show the proper use and the limitations of the various methods of economic study. Lectures, papers, discussions. Two hours attendance. Two hours credit. First semester.

Head Professor Taylor]

Given in 1911-1912.

POLITICAL SCIENCE AND SOCIOLOGY

Head Professor Howard, Professor Hutton Webster, Associate Professor Eaves, Associate Professor Aylsworth, Lecturer Sheldon

UNDERGRADUATE WORK

As a rule students are expected to begin their work in political science with Courses 1 and 2 or 3 and 4, followed first by 12, or both 11 and 12, and later by a choice of the more advanced courses. Students already well grounded in civil government, or advanced in University work, are advised to begin with 11 and 12, followed by more specialized courses. To those intending to teach civil government, or American history, or both, in the schools, 1 and 2 are recommended as especially adapted in method and matter to their needs.

Courses 5, 6, 10 and 13 are open to Freshmen. With these exceptions, sociological, ethnological, or anthropological studies should be deferred to the later years. As further preparation for them courses 1 and 2 in each of the departments of American History, European History, and Political Economy are recommended. All undergraduates each year are advised to register for courses A1 and A2.

The six hours of required electives hitherto confined to history only may now be taken in either history or political science and sociology at the student's option.

Candidates for the University Teachers' Certificate may elect the required special work in this department in conjunction with allied subjects. When a student can take but 16 or 17 hours for a major and but 12 or 13 hours

for a minor in this department, the following courses are suggested: Major—Courses 1, 2, 21, 22, 15, 16, 31; Minor—Courses 1, 2, 21, 22, 15, 35. Other courses may perhaps be more valuable for particular students. Individual conferences are suggested.

REQUIREMENTS AND FACILITIES FOR GRADUATE WORK

The minimum requirement for the degree of Master of Arts is one full year's work or the equivalent of about thirty class-hours, including a thesis. A candidate may devote his entire time to the work of the department; or he may divide it between a major and a minor. A minor is the equivalent of nine class-hours. The selection of courses is influenced by the character of the thesis.

The minimum requirement for the degree of Doctor of Philosophy is three full years' work of which about three-fifths, or the equivalent of about sixty class-hours, must be given to the major subject. The remaining two-fifths of the time, or the equivalent of about forty class-hours, must be devoted to a first minor or divided equally between two second minors. The particular courses in the major subject are selected with regard to the character of the thesis and with reference to the candidate's aim and preparation. The thesis must be the result of the sustained investigation of the original materials. Without undergraduate training in thesis-writing or research courses, it is difficult to take either the master's or the doctor's degree in the minimum period. Preferably minors may be selected in the departments of economics, history, or public law; but minors will be accepted in education, philosophy, or other departments, according to the needs of the candidate. In all cases a good knowledge of economics and history is required.

The facilities available for graduate study and research in both political science and sociology are excellent. The libraries of the University, city, state, and the State Historical Society afford the student access to an aggregate of about 150,000 volumes. The University Library contains the standard authorities and reference works on institutional history, social science, anthropology, ethnology, Roman law, historical jurisprudence, political philosophy, government, politics, administration, and statistics. It is especially strong in public documents and other material, source and secondary, for the investigation of problems in American government and administration. The State Library of 50,000 volumes supplements those of the University and the College of Law. It is one of the best law libraries in the west—rich in materials for a comparative study of government and legislation in the different states. In the Historical Society's collections and the public archives at the state Capitol there is accessible a mine of source material for investigating state and local government and administration in Nebraska. When these resources prove inadequate in special investigations, desired books will be purchased or temporarily borrowed from other libraries.

The location of the University at the state capital gives an opportunity for personal observation and study of the actual problems and practical workings of state and municipal legislation and administration.

Many valuable allied courses in economics, history, jurisprudence, and law are to be had in other departments.

COURSES PRIMARILY FOR UNDERGRADUATES

A1. Thesis or Research Work—Students in the departments of Political Science and Sociology and American History are given an hour credit each semester on presentation of a satisfactory thesis. A student taking two or more courses in one or both departments may elect his thesis in connection with any one of such courses, and the instructor in that course becomes his adviser on the thesis. Other students may register by consent of any instructor in these departments. Registration and selection of subject by advice of the instructor. Except graduates and members of seminaries otherwise provided with research work, this course is required of all majors in political science and sociology. Students who thus register are excused from other research papers. Personal conferences take the place of class attendance. One hour credit. First semester.

A2. Thesis or Research Work—A1 continued. Second semester.

1. American Government—Introductory study of salient features in historical development, political structure, and actual workings of national, state, and local governments as parts of one whole. National government, first semester. Open to all students. Two hours attendance. Two hours credit. First semester.
Associate Professor Aylsworth

2. American Government—Complement of Course 1. May be taken before Course 1. State and local governments in general. Special study of Nebraska, in comparison with other states, as an example of both federal and state relations, and state and local government. Open to all students. Two hours attendance. Two hours credit. Second semester.
Associate Professor Aylsworth

3. Biography of Statesmanship—From Roger Williams to Abraham Lincoln: character and deeds of twenty state-builders in America. Role of great men in social progress. Personality in social achievement. Especially recommended for Freshmen and Sophomores; of value to more advanced students. Supplemented by Course 25. Two hours attendance. Two hours credit. First semester.
Head Professor Howard

Given every year.

4. Biography of Statesmanship—3 continued. New registrations accepted. Second semester.

5. Introduction to Social Anthropology—A study of the early life of mankind as revealed in monuments and remains, customs, institutions, and beliefs. A detailed treatment will be made of such subjects as the origin and growth of language, beginnings of writing, genesis and development of the arts of life, primitive science and education, matrimonial institutions, origins of government and the state, rise of property and monetary systems, early religion, magic, and mythology, early law and morality. Lectures accompanied by reference syllabus and illustrated with lantern slides. Three hours attendance. Three hours credit.
Professor Webster

6. Introduction to Social Anthropology—5 continued. Second semester.

7. Modern Social Betterment Movements—Social settlements, welfare work of large employers, efforts to protect the health of the public, housing problems, public parks and playgrounds, and other forms of modern social betterment service will be studied. Three hours attendance. Three hours credit. First semester.

Associate Professor Eaves

8. Poverty and Dependence—This course includes a general discussion of the causes of poverty and dependence and the principles of prevention and relief, with a more concrete study of modern methods of caring for the poor. State institutions for the care of dependents, the methods of work of charitable and religious societies, and emergency relief in times of great calamities will be among the subjects considered. Three hours attendance. Three hours credit. Second semester.

Associate Professor Eaves

11. Comparative Government—Central governments of the leading nations, particularly Great Britain, France, Germany, Switzerland, Japan, and possibly Russia. Constitutional beginnings, governmental organization, actual legislative and administrative methods, leading political parties and issues. Occasional stereopticon views. Open to students who have had 1 and 2 or 3 and 4 and to others well grounded in civil government. Three hours attendance. Three hours credit. Second semester.

Associate Professor Aylsworth

12. Municipal Government—Organization and administration of city government in the United States and in Europe. Growth of cities, city home rule, municipal suffrage, initiative and referendum, municipal council and executive, the commission system of city government; administrative functions and problems connected with finances, public health and safety, public works, municipal ownership of public utilities, etc. Lantern slides. Open to those who have had 1 and 2 or 3 and 4, and to others by consent of the instructor. Three hours attendance. Three hours credit. Second semester.

Associate Professor Aylsworth

[**13. Social Reformers**—An examination of the lives and methods of work of leaders in social reform movements. Among the men and women studied are St. Francis of Assisi, John Howard, Robert Owen, the Earl of Shaftesbury, John Ruskin, Arnold Toynbee, Frederick Denison Maurice, Florence Nightingale, Frances Willard, Leo Tolstoy, and Jane Addams. Two hours attendance. Two hours credit. First semester.]

Associate Professor Eaves

Not given in 1910-1911.

FOR UNDERGRADUATES AND GRADUATES

15. General Sociology—Principles of social science. For third and fourth year students and graduates. Three hours attendance. Three hours credit. First semester.

Head Professor Howard

16. Problems in Social Psychology and Ethics—Chief psychic factors in social evolution. Laws of suggestion, mob-mind, and imitation; "craze," "fad," and sect; fashion, conventionality, custom, and tradition; leadership, genius, hero worship, role of great men; social conflict, compromise,

discussion, free speech, free press, public opinion; social sins, standards of private and social ethics. Theories of Le Bon, Tarde, Sidis, Ward, and Ross. For third year and more advanced students. Three hours attendance. Three hours credit. One hour credit for mere attendance with the presentation of a satisfactory written analysis of about one hour a week assigned reading. Second semester. Head Professor Howard

17. Primitive Religion—An anthropological and sociological investigation of the evolution of religious beliefs and rites. Development of the ideas of spirits and gods; polytheism, dualism, and monotheism. Systems of religious belief: fetishism and idolatry; worship of natural objects, animals and plants; ancestor-worship. Magic in its connections with religion; demonology and devil-lore; notions of the soul and of the future life; origin and growth of religious ceremonies, priesthoods, and mythologies; sacrifice and prayer. Such topics as the classification of religious, connections between religion and morality, sociological factors in the development of religion, present trend of religious progress, etc., receive attention. Three hours attendance. Three hours credit. First semester.

Professor Webster

18. Primitive Religion—17 continued. Second semester.

19. Labor Legislation—The development of legislation for the regulation and protection of wage-workers in countries other than the United States. Particular attention will be given to the English labor laws and decisions. Two hours attendance. Two hours credit. First semester.

Associate Professor Eaves

Given in 1910-1911 and alternate years.

20. Labor Legislation—The labor laws and decisions of the United States, with a more detailed study of the development of this legislation in Nebraska. Two hours attendance. Two hours credit. Second semester.

Associate Professor Eaves

Given in 1910-1911 and alternate years.

21. Socialization of Education—Courses 21 and 22 deal with the efforts to give definite training in preparation for effective participation in modern social life. Attempts that are being made in France, Germany, and America, to give instruction in the public schools in civics and morals will be examined, and the text-books and courses of study now in use in American schools will be reviewed and criticised. Two hours attendance. Two hours credit. First semester.

Associate Professor Eaves

22. Socialization of Education—Course 21 continued. The second half of the course will deal with the social significance of such popular educational movements as vacation schools, public recreation centers, university extension, special forms of public library work, and industrial education. Two hours attendance. Two hours credit. Second semester.

Associate Professor Eaves

24. Criminal Sociology—Elements of criminology and penology. Particular attention will be given to modern methods of reform as expressed

in the juvenile court, reform school, parole, the indeterminate sentence, and better forms of prison management. Two hours attendance. Two hours credit. Second semester.

Associate Professor Eaves

25. Development of the English Constitution Since 1603—Causes and results of Puritan Revolution; British Empire under George III; struggle for economic, industrial, and political reform in the 19th century; the present system of cabinet-parliamentary government. Special stress on personality and biography of statesmanship. In case of conflict, recommended in place of Course 3. Three hours attendance. Three hours credit. First semester.

Head Professor Howard

26. Modern History of Political Thought—A study of political ideas since the Renaissance with a preliminary discussion of political philosophy in the Middle Ages. An analysis of the theories of Machiavelli, Erasmus More, Thomas Smith, Bodin, Hooker, Bacon, Grotius, Hobbes, Harrington, Filmer, Locke, Shaftesbury, Sidney, Montesquieu, Rousseau, Diderot, and later writers. Three hours attendance. Three hours credit. Second semester.

Head Professor Howard

[27. Federal Institutions—Federal government in the United States, Switzerland, Canada, Australia, South Africa, German Empire, and the Latin American Republics. Three hours attendance. Three hours credit. First semester.

Head Professor Howard]

Given in 1911-1912 and alternate years.

[28. Federal Institutions—27 continued. Second semester.]

29. National Administration—A study of the principles and working machinery of the national system of administration and the methods of conducting the government's business; the administrative authority of the President; executive powers of the Senate; organization and work of the nine executive departments and the different commissions; principles controlling official relations. Designed to give a general knowledge of the scope and practical operation of the government service and to make clear the opportunities for college graduates in these branches of administration. Open to juniors and seniors and to others by consent of the instructor. Two hours attendance. Two hours credit. First semester.

Associate Professor Aylsworth

30. State Administration—A study of administrative organization and activities in the different states; the governor and other state administrative officers; the departments of education, health, insurance, public lands, etc.; growth and influence of state boards and commissions; centralization in state administration; state control of county, township, and municipal administration. Open to juniors and seniors and to others by consent of the instructor. Two hours attendance. Two hours credit. Second semester.

Associate Professor Aylsworth

[31. Party Government—Organization and working of political parties in the United States. Growth of party system; caucus and convention; direct primary; the party committee, "machine," and "boss"; legal control and responsibility of parties; campaign funds; party control of legis

lation and administration. May be made a three hour course by registering for A1. Two hours attendance. Two hours credit. First semester.

Associate Professor Aylsworth]

Not given in 1910-1911.

[32. **Colonial Government**—General study of colonial politics and administration with reference to our American colonial problems. The principal forms of colonial government, "spheres of influence," protectorates, "crown" and self-governing colonies; colonial administration; administrative problems. Open to students who have had 1 and 2 or 3 and 4, and to others well grounded in civil government. Two hours attendance. Two hours credit. Second semester.

Associate Professor Aylsworth]

Not given in 1910-1911.

33. **Practical Legislation: Nebraska Problems**—Introductory study of Nebraska's historical development, social, political, constitutional. Present problems in Nebraska law-making and administration. Subject matter and methods of legislation. Drafting and criticism of legislative bills and information briefs in co-operation with Nebraska Legislative Reference Department. Practice work at state house during legislative session, January to April of odd numbered years. Two hours attendance. Two hours credit. First semester.

Lecturer Sheldon

Credited in the College of Law.

34. **Practical Legislation: Nebraska Problems**—33 continued. Second semester.

35. **Folk-lore**—An examination of those phases of thought and action, which, inherited from prehistoric savagery, still abide among peoples of advanced culture. After preliminary lectures on the study and classification of folk-lore the subject is discussed under the following heads: 1. Folk-faith: the folk-lore of animism, magic and myth. 2. Folk-literature: folk-tales, their diffusion and interpretation, systems of folk-tales, popular epics and romances, notably those of Celtic and Teutonic peoples; folk-songs, folk-plays and folk-sayings, including proverbs, riddles, rhymes, and fables. 3. Folk-custom: popular festivals, ceremonies, games and sports, symbols and superstitions. These topics are studied with special reference to their relation to the beginnings of religion, law, and morality. Lectures and reports. This course should prove of special importance to teachers and to others interested in the study of childhood. Two hours attendance. Two hours credit. First semester.

Professor Webster

36. **Folk-lore**—35 continued. Second semester.

39. **Professional Course in Social Service**—This course is planned to give practical experience to those who expect to prepare themselves to take positions in charitable or correctional institutions, or to take part in the social betterment work of churches, or Christian associations, social settlements, probation work of juvenile courts, or welfare departments of industrial establishments. In so far as possible the work will be adapted to the needs of each student preparing for such vocations. It will consist of special investigations, and personal consultations on practical work under-

taken. Open to mature students. Each student will investigate some concrete social problem. Two hours attendance besides field-work. Two hours credit. First semester.

Associate Professor Eaves

40. **Professional Course in Social Service**—39 continued. Second semester.

[41. **Contemporary Political and Social Problems**—Weekly lectures or studies on municipal, state, national, or international political or social questions of the day. Especially designed to inspire greater interest in current problems and wider reading on political and social topics. Not open to first year students except by consent of instructor. One hour attendance. One hour credit. First semester.

Associate Professor Aylsworth]

[42. **Contemporary Political and Social Problems**—41 continued. Second semester.]

Not given in 1910-1911.

[43. **Theory of Statistics**—Principles and methods of statistical science. Exercises in the investigation of actual social and demographic problems. Two hours attendance. Two hours credit. First semester.

Associate Professor Eaves]

Not given in 1910-1911.

[44. **Sociology and Statistics**—Social, vital, and demographic statistics. Birth, death, marriage, and divorce rates; suicides, pauperism, and crimes; urban and rural sanitary conditions; war, disease, malnutrition, and child labor. Two hours attendance. Two hours credit. Second semester.

Associate Professor Eaves]

Not given in 1910-1911.

PRIMARILY FOR GRADUATES

47. **Seminary on Bad Government**—Varieties, causes, and effects of institutional perversion. "Machine"; "boss" in city, state, and national politics: the "lobby," "milking bills," "strike legislation," "court-house ring," Gerrymander, spoils system, and other species of "graft" and graft-methods. Primarily for graduates. By permission a limited number of other specially qualified students may be admitted. One two-hour (evening) session each week. Two hours credit. First semester.

Head Professor Howard, Associate Professor Aylsworth

Given in 1910-1911 and alternate years.

48. **Seminary on Colonies and Colonization**—World-politics. Sociological, economic, and political problems. Imperial problems of the United States in comparison with those of Great Britain, France, and Germany. For graduates and other specially qualified students. One two-hour (evening) session each week. Two hours credit. Second semester.

Head Professor Howard, Associate Professor Aylsworth

Given in 1910-1911 and alternate years.

[49. **Seminary on Municipal Problems**—American and foreign municipal conditions compared; forces determining location, growth, structure,

and economic basis of cities; comparison of urban and rural conditions with respect to sociological factors; aspects of bad government; public ownership; "city beautiful," model "municipal program." For graduates and advanced undergraduates. One two-hour (evening) session each week. Two hours credit. First semester.

Head Professor Howard, Associate Professor Aylsworth]
Given in 1911-1912 and alternate years.

[50. **Seminary on the Family**—Mother-right, father-right, polygyny, polyandry, wife-capture, wife-purchase, theories as to genesis of matrimonial institutions; divorce, marriage, birth-rate, "race-suicide"; legislation and sex-education in the reform movement; intellectual and industrial liberation of woman; co-education; problems of marriage, the home, and the family. Primarily for graduates. By consent a limited number of other specially qualified students may be admitted. One two-hour (evening) session each week. Two hours credit. Second semester.

Head Professor Howard, Associate Professor Aylsworth]
Given in 1911-1912 and alternate years.

53. **Round Table in Primitive Society**—The study and informal discussion of one or more standard treatises in the field of social anthropology, such as Tylor's *Primitive Culture*, Westermarck's *Origin and Development of the Moral Ideas*, Spencer's *Principles of Sociology*. Some attention is paid in this course to methods of anthropological research. One hour a week. One hour credit. First semester.

Professor Webster

54. **Round Table in Primitive Society**—53 continued. Second semester.

RHETORIC

Head Professor Frye, Professor Fogg, Associate Professor Buck, Adjunct Professor Howell, Adjunct Professor Gass, Miss McPhee and Mr. Davis

GENERAL INFORMATION

It is the aim of the Department to further a systematic understanding of the principles of English composition and to cultivate correct habits of speaking and writing the English language. To this end all courses insist upon constant exercise in expression and upon frequent consultations with the instructors in addition to the regular class-room discussions and recitations. At the same time emphasis is laid, as far as possible, upon outside reading and study in illustration of the methods, and in preparation of the materials, of rhetorical practice.

ELECTION OF COURSES

Before the student proceeds to elective work, he must have completed courses 1 and 2 as a prerequisite. A student electing advanced work in rhetoric will find it advantageous to carry courses in English literature in connection, if he is not doing so already. Students intending to elect work in debate should take courses 13 and 14 in their sophomore year. Such

students are also recommended to acquaint themselves with those subjects from which questions for debate are usually drawn—American history, European history, jurisprudence and public law, philosophy, political economy and commerce, and political science and sociology.

UNIVERSITY TEACHERS' CERTIFICATE

Owing to the necessity for common preparation in Rhetoric and English Literature, majors are not open in either of these subjects to the exclusion of the other. A major in Rhetoric and a major in English Literature will be credited to those who secure credit for twenty-eight hours in the courses following:

Rhetoric—Courses 1 and 2, four hours; 3 and 4, four hours; 7 and 8, six hours; 32, three hours.

English Literature—Courses 1 and 2, six hours; 11 and 12, four hours; 17 and 18, eight hours.

It is necessary for students offering these majors to include a minor of twelve hours in some allied subject.

Candidates who intend to teach debate may make arrangements to substitute courses 13 and 14 for 7 and 8. Candidates should notify the department of their candidacy by the beginning of their junior year.

GRADUATE WORK

Courses leading to the degree of Master of Arts will be arranged, in connection with English literature, on application.

COURSES PRIMARILY FOR UNDERGRADUATES

REQUIRED

1. **Rhetoric and English Composition**—Instruction and practice in elementary composition. Themes, conferences. Two hours attendance. Two hours credit. First and second semesters.

Head Professor Frye, Associate Professor Buck

Adjunct Professor Gass, Miss McPhee and Mr. Davis

2. **Rhetoric and English Composition**—1 continued. First and second semesters.

Courses 1 and 2 are required of all freshmen in the College of Arts and Sciences, the Teachers College, the College of Agriculture, and the College of Engineering.

5. **English Composition**—Expository writing and kindred forms of expression. Three hours attendance. Three hours credit. First semester.

Head Professor Frye and Miss McPhee

6. **English Composition**—5 continued. Second semester.

Courses 5 and 6 are required of all sophomores in the College of Agriculture and may be elected, in place of 3 and 4, by students wishing an additional hour's work.

ELECTIVE

3. **English Composition**—1, 2 continued. Practice in general expression. Intended to give the student some control over his own thought and

some facility in its presentation. Examples from the English essay. Two hours attendance. Two hours credit. First semester.

Head Professor Frye and Miss McPhee

4. **English Composition**—3 continued. Second semester.

23. **Newspaper Writing**—News-story and editorial writing. Two hours attendance. Two hours credit. First semester.

Adjunct Professor Gass

24. **Magazine Writing**—23 continued. Magazine exposition. Second semester.

25. **Narration**—Practical course in prose narrative writing with particular attention to the short story. Masterpieces of Maupassant, Poe, Hawthorne, Stevenson, Kipling, etc. For students who have already shown some skill in composition. Admission by consent of instructor. Two hours attendance. Two hours credit. First semester.

Associate Professor Buck

26. **Narration**—25 continued. Second semester.

COURSES FOR UNDERGRADUATES AND GRADUATES

7. **English Composition**—Advanced course. Theory of English composition. Studies in the organization of literary material. Daily and fortnightly themes. Two hours attendance. Three hours credit. First semester.

Head Professor Frye

8. **English Composition**—7 continued. Critical studies in style and structure. Readings and reports to illustrate the principles of English prose literature. Daily and fortnightly themes. Two hours attendance. Three hours credit. Second semester.

Head Professor Frye

9. **Writers' Course**—Intended for advanced students who wish to improve their writing in connection with some particular subject of study or inquiry. No classes; themes, criticism and conferences. The student is expected to propose a subject, to prepare a theme, and to submit it to the instructor for criticism and advice with a view to revision and improvement. Two hours credit. First semester.

Head Professor Frye

10. **Writers' Course**—9 continued. Second semester.

13. **Argumentation**—1, 2 continued. Principles of argumentative composition. Text-book, lectures, frequent writing, conferences; gathering of material; analysis; evidence; structure—brief-drawing; ethics of discussion. Briefs and arguments on questions of general or college interest or from the student's work in other departments. In the second semester a thesis, for which the training in the first semester directly prepares, may be substituted. Two hours attendance. Three hours credit. First semester.

Professor Fogg and Assistants

14. **Argumentation**—13 continued. Second semester.

15. **Debate**—Introductory course. Principles of argumentation practically applied to oral discussion of economic, ethical, historical, political,

and sociological questions. Weekly debates, preceded by briefs, in which each member takes part three times as principal speaker. The debates are criticised before the entire class. Open to students who have completed course 13 with credit and to others by special consent. Membership limited to twenty. Two consecutive hours attendance. Three hours credit. First semester.

Professor Fogg and Professors Caldwell,
Fling, Howard, and Taylor

16. **Debate**—15 continued. Open to students who have completed 13 or 15 and to others by consent of the instructor. Second semester.

17. **Debate**—Advanced course. Further training in investigation and oral discussion. Debates. Each member takes part three times as principal speaker. Conducted as course 15. Open to students who have completed 13 and 15 or 16 and to others by consent of the instructor. Membership limited to sixteen. Admission by consent of instructor. Two consecutive hours attendance. Three hours credit. First semester.

Professor Fogg and Professors Caldwell,
Fling, Howard, and Taylor

18. **Debate**—17 continued. Second semester.

19. **Public Address (Exclusive of Debate)**—Practical training in the composition of the public address not strictly argumentative. Practice in writing for definite audiences, the occasional address. Emphasis on persuasion and literary form, supplementing the course in argumentation and debate. Burke, Erskine, Webster, Lincoln, Phillips, Beecher, Curtis, and contemporary public speakers. Readings; conferences. Prerequisite: Courses 1, 2. To have taken or to be taking course 13 is advantageous. Two or three hours attendance. Three hours credit. First semester.

Professor Fogg

20. **Public Address (Exclusive of Debate)**—19 continued. Second semester.

22. **Debate**—Second advanced course. Training of a more systematic kind. Original research. Open only to those students who have attained some excellence in argumentation and debate. Membership limited to twenty. Attendance to be arranged. Credit varies with the work done. First semester.

Professor Fogg

29. **The Nineteenth Century Essay**—Principles of English composition as illustrated by selected works of masters of modern English prose—Jeffrey, Hazlitt, Macaulay, Lamb, De Quincey, Carlyle, Ruskin, Arnold, Newman, and Stevenson. Frequent themes; personal criticism. Prerequisite: Courses 1, 2. Two hours attendance. Two hours credit. First semester.

Professor Fogg

30. **The Nineteenth Century Essay**—29 continued. Second semester.

32. **The Teaching of Rhetoric and English Composition**—Teachers' Course. Aims and methods of secondary-school instruction in rhetoric and English composition. General principles of composition. Discussion of text-books; themes. The management of theme courses. Practice in cor-

recting themes. Open to Juniors, Seniors, and graduates. Required of candidates for the University Teachers' Certificate in Rhetoric and English Composition. One hour lecture; three hours reading and observation. Two hours credit. Second semester.

Head Professor Frye, Professor Fogg

33. Comparative Criticism—A comparative study of the drama—Greek, Spanish, French, and English. Mainly a reading course, controlled by reports, critiques, and lectures. Intended to give the students some sort of foundation for the critical appreciation of literature. A reading knowledge of French is indispensable. Admission by consent of the instructor. Two hours attendance. Three or four hours credit. First semester.

Head Professor Frye

34. Comparative Criticism—33 continued. Second semester.

Reading and Elocution

Adjunct Professor Howell and Mr. Davis

The following courses provide training in oral English:

COURSES PRIMARILY FOR UNDERGRADUATES

35. Reading and Speaking—The aim is to secure naturalness and sincerity in reading and speaking, to preserve the individuality of the student, and to obtain freedom from self-consciousness. Special attention to voice culture, correct articulation and definite gesture. Analysis and vocal interpretation of selections from orators, essayists, dramatists, and poets. Class recitals. Three hours attendance. Two hours credit. First semester.

Adjunct Professor Howell

36. Reading and Speaking—35 continued. Prerequisite, course 35. Second semester.

[37. Dramatic Interpretation]—Critical study of Shakespearean plays. Prerequisite: Courses 35 and 36. Three hours attendance. Two hours credit. First semester.

Adjunct Professor Howell]

[38. Dramatic Interpretation]—37 continued. Second semester.]

Courses 37 and 38 alternate with 37a and 38a. Not given in 1910-1911.

37a. Dramatic Interpretation—Advanced study of voice culture, impersonation, pantomime, and gesture. Interpretation of various kinds of dramatic literature—prose and poetry. Special attention to the oration and critical study of *Hamlet*, *As You Like It*, *The Rivals*, and also of some modern play. Analysis of plot, character, and incidents. Dramatic presentation of principal scenes before the class. Prerequisite, courses 35 and 36. Three hours attendance. Two hours credit. First semester.

Adjunct Professor Howell

38a. Dramatic Interpretation—37 continued. Second semester.

Courses 37a and 38a alternate with 37 and 38. Not given in 1911-1912.

39. Reading and Interpretation (Advanced Course)—A study of the oral interpretation of masterpieces of literature. Lectures on vocal technique. Each member of the class is required to interpret various kinds of selections for a program—one strongly dramatic narrative selection, one humorous, and one scene from the classic or modern drama—which material is chosen to give the strongest personal development and also to serve as a repertoire. Criticism on delivery of after-dinner and other forms of extemporaneous address. Membership limited to fifteen. Admission by consent of instructor. Public recitals. Two hours attendance. Two hours credit. First semester.
Adjunct Professor Howell

40. Reading and Interpretation (Advanced Course)—39 continued. Second semester.

41. Public Speaking—Intended especially for students who wish to prepare themselves for public speaking—debate and other forms of public address. Its object is to assist the student in acquiring an effective oral style—clear, direct, simple. Text-book, individual drill. Special attention to voice and gesture. Practice in various forms of extemporaneous speaking. Critical work in the delivery of one original oration each semester. Membership limited to fifteen. Admission by consent of the instructor. Three hours attendance. Two hours credit. First semester.

Adjunct Professor Howell

42. Public Speaking—41 continued. Second semester.

43. Teachers' Course—Special course for teachers in city schools and for students in the Teachers College. Intended to strengthen the teaching of reading by the formation of an intelligent reading habit. Analysis of selections from the best literature and the application of principles of interpretation to class-room and platform work. Special attention to articulation, pronunciation, and voice-development. Model classes; individual criticism. Discussion of programs and of supplementary literature for class-room use. Two hours attendance. Two hours credit. First semester.

Adjunct Professor Howell

44. Teachers' Course—43 continued. Second semester.

ROMAN HISTORY AND LITERATURE

Head Professor Barber, Assistant Professor Sanford,
Adjunct Professor Hunter, Miss Grimm

The instruction aims to impart an understanding of the principles of the language through a study of its development and wide reading in the literature. The intention is to lead the student to build up his grammatical knowledge and to master the laws of the language from his own reading.

The instruction is not confined to linguistic and literary lines solely. The character and institutions of the Roman people are also studied with the view of leading students to an understanding of the ancient Roman civilization and its bearing on modern life.

The required courses for the Teachers' Certificate in Latin as a major are, 1, 2, 3, 4, 5, 6, 7, and 8. Equivalent work in the department may be

substituted for 5 and 6 upon consultation with the head. The above courses must be preceded by the four years high school preparation, including composition (one period per week for two years) and a thorough drill in the grammar. Students found to be defective in preparation may be required to take courses E and F in addition to the above.

In connection with this department is maintained a Latin Club of advanced students elected on the basis of scholarship. Monthly meetings are held devoted to the reading of papers, choice passages of Roman literature, discussions, and Latin conversation. Eighty per cent. of the dues are set aside for the purchase of some permanent memorial for the department.

MASTER OF ARTS

Candidates for advanced degrees must have completed courses 1, 2, 3, and 4, or their equivalents. Graduate study should include courses 5, 6, 11, and 12, after which subjects may be selected from any courses open to graduates. The basis of requirement is as follows:

Second Minor: Three hours of class-room work for one year.

First Minor: Six hours of class-room work for one year.

Major: Six hours of class-room work and the equivalent of four hours in the preparation of a thesis.

Complete Course: Nine hours of class-room work and the equivalent of six hours in the preparation of a thesis.

These may be prepared on any of the following subjects: the satirists, the Roman drama, Roman history, elegiac poetry, poetry of the empire, prose of the empire, sermo plebeius, patristic literature. By special arrangement, a thesis may be prepared on some question of syntax covering the whole literature.

COURSES FOR UNDERGRADUATES.

To enter course A the student must have had four books of Caesar with Latin composition. To enter course 1 the student must have completed courses A, B, C, and D.

Courses A and B give the student two preparatory credit "points" or six hours of college credit. Courses C and D two preparatory credit "points" and two hours of college credit, or ten hours of college credit.

A. *Cicero*—Three orations; Latin composition, drill in syntax. In written exercises the long vowels are marked. Three hours attendance. Three hours credit. First semester. Miss Grimm

B. *Cicero*—A continued. Second semester.

C. *Vergil*—Three books of the *Aeneid*. Drill in prosody, case and verb construction, and poetic expressions. Five hours attendance. Five hours credit. First semester. Adjunct Professor Hunter

D. *Vergil*—Three books of the *Aeneid*. Ovid's *Metamorphoses*. Two books. Drill as in C. Metrical reading of hexameters at sight. Practical examination of tense uses. Literary art of Vergil. Five hours attendance. Five hours credit. Second semester. Adjunct Professor Hunter

E. Practical Course in Latin Syntax—Practical drill in the principles of Latin Syntax, preparatory to rapid and accurate reading. Two hours attendance. Two hours credit. Adjunct Professor Hunter

F. Practical Course in Latin Syntax—E continued. Special practice in translating long paragraphs of connected discourse.

1. **Cicero**—*De Senectute* with Latin composition. Drill in the syntax of moods and tenses; special attention to the classification of subordinate clauses. Four hours attendance. Four hours credit. First semester.

Head Professor Barber, Adjunct Professor Hunter

2. **Livy**—Books XXI and XXII. Practice in sight reading. Study of moods and tenses and subordinate clauses continued. Four hours attendance. Four hours credit. Second semester.

Head Professor Barber, Adjunct Professor Hunter

3. **Horace**—Selected Odes. Epodes. Satires. Epistles and *Ars Poetica*. A few passages memorized; occasional summaries; a brief view of social life in Horace's time; prosody. Four hours attendance. Four hours credit. First semester.

Assistant Professor Sanford

4. **Plautus and Terence**—*Captivi* and *Adelphoe*. A brief introduction to Roman drama; prosody. Tacitus' *Agricola* and *Germania*. The *Germania* studied for its bearing on the customs and laws of modern German peoples. Four hours attendance. Four hours credit. Second semester.

Assistant Professor Sanford

43. **Teachers' Course**—Lectures on methods of teaching Latin and on subject matter often overlooked. Model reading of sub-freshman authors. Courses 43 and 44 may be taken in lieu of two hours in general methods in the department of Education. One hour attendance. One hour credit. First semester.

Head Professor Barber

44. **Teachers' Course**—43 continued. Second semester.

49. **Roman Oratory**—General survey of the development of Roman oratory from the earliest period. Detailed study of the structure of speeches. methods of delivery, and effectiveness. Types of oratory employed at funerals, before armies, in the senate and forum. Lectures and reports. Two hours attendance. Two hours credit. First semester.

Adjunct Professor Hunter

50. **Roman Oratory**—49 continued. Special reference to oratory in the last days of the republic. Second semester.

COURSES FOR UNDERGRADUATES AND GRADUATES

5. **Suetonius**—Lives of Julius and Augustus Cæsar. Sight reading. Talks upon Roman life. Papers by the class. Two hours attendance. Two hours credit. First semester.

Head Professor Barber

6. **Pliny and Juvenal**—Selected letters. Selected satires. Reading from hearing. Collateral readings on Roman social life. Two hours attendance. Two hours credit. Second semester. Head Professor Barber

7. Roman Archaeology—Following are some of the subjects treated: Amphitheaters, aqueducts, arches, architecture, basilicas, bath houses, building materials, catacombs, *clerci*, columns, fortifications, fora, methods of building, ruins, temples, theatres, topography, walls, war implements. Lectures illustrated with lantern slides. Papers are required of students on special topics. One hour attendance. One hour credit. First semester.
Head Professor Barber

8. Roman Antiquities—Public and private life of the Romans; dress and ornaments, household furniture, kitchen utensils, museums, manuscripts, pottery and vases, private houses, public buildings, sculpture, *Vesuvius*, *Pompeii* and *Herculaneum*, wall decorations. Lectures illustrated with lantern slides. Papers as in course 7. One hour attendance. One hour credit. Second semester.
Head Professor Barber

9. Cicero's Letters—Selections arranged to throw light upon life and time of Cicero. Lectures on the style of the letters. Two hours attendance. Two hours credit. First semester. Assistant Professor Sanford

[10. Quintilian—Book X and selections from Book XII. Books I and II assigned for collateral reading as showing the educational methods in the first century A. D. Two hours attendance. Two hours credit. Second semester.
Assistant Professor Sanford]

Not given in 1910-1911.

11. Composition—A brief, illustrated review of the syntax of noun and verb, followed by practice in connected Latin writing. One hour attendance. One hour credit. First semester. Assistant Professor Sanford

12. Composition—11 continued. Second semester.

13. Latin Grammar—An elementary course in historical development of Latin moods. Lectures. One hour attendance. One hour credit. First semester.
Head Professor Barber

14. Latin Grammar—13 continued. Second semester.

[15. Plautus and Terence—Course in rapid reading of seven or eight plays. Lectures on history of Roman drama. Two hours attendance. Two hours credit. First semester.
Assistant Professor Sanford]

Not given in 1910-1911.

16. Cicero—*Tusculan Disputations*, Book I, studied with reference to Roman ideals concerning immortality. Selections from *Lucretius*, *Seneca*, and *Buecheler's Carmina Latina Epigraphica*. Two hours attendance. Two hours credit. Second semester. Assistant Professor Sanford

17. Roman History—From the earliest times through the early empire. Primarily for those preparing to teach Latin in secondary schools. Text-book. Lectures. Two hours attendance. Two hours credit. First semester.
Assistant Professor Sanford

18. History of Roman Literature—Lectures, with selections from representative authors. Two hours attendance. Two hours credit. Second semester.
Assistant Professor Sanford

21. **Latin Morphology**—Latin in its relation to the other languages of the Aryan group. Sounds and their combinations, accent, and principles of word formation and derivation. Survey of the great laws of linguistic growth and change as illustrated in Latin. Lectures and readings. One hour attendance. One hour credit. Adjunct Professor Hunter

22. **Latin Morphology**—21 continued with historical study of the development of Latin. Second semester.

[27. **Vergil**—Selections from the Eclogues, Georgics, and Books VII-XII of the *Aeneid*, rapid reading course, of particular interest to prospective teachers of Latin. Special topics assigned for investigation by members of the class. Two hours attendance. Two hours credit. First semester. Assistant Professor Sanford]

Not given in 1910-1911.

[28. **Ovid**—Selections from the *Heroides*, *Amores*, *Fasti*, *Metamorphoses*, and *Tristia*, a companion course to 27. Two hours attendance. Two hours credit. Second semester. Assistant Professor Sanford]

Not given in 1910-1911.

[29. **Tacitus**—Selections from the Annals and Histories, treated as a basis for the history of the Empire from 14 to 70 A. D. Two hours attendance. Two hours credit. First semester. Assistant Professor Sanford]

Not given in 1910-1911.

[30. **Martial**—Selected Epigrams, in illustration of Roman life under the early Empire. Two hours attendance. Two hours credit. Second semester. Assistant Professor Sanford]

Not given in 1910-1911.

[31. **The Elegiac Poets**—Selections from Catullus and Tibullus. Lectures on the history of Roman elegiac poetry. Two hours attendance. Two hours credit. First semester. Assistant Professor Sanford]

Not given in 1910-1911.

[32. **The Elegiac Poets**—Selections from Propertius and Ovid. 32 continued. Second semester.]

Not given in 1910-1911.

[33. **Cena Trimalchionis**—This social novel studied with reference to Romance languages, but especially to popular speech (*sermo plebeius*) and customs of the times. One hour attendance. One hour credit. First semester. Assistant Professor Sanford]

Not given in 1910-1911.

[34. **Cena Trimalchionis**—33 continued. Second semester.]

Not given in 1910-1911.

[35. **Roman Religion and Mythology**—A lecture course. Occasional papers and reports by members of the class. One hour attendance. One hour credit. First semester. Assistant Professor Sanford]

Not given in 1910-1911.

[36. **Roman Religion and Mythology**—35 continued. Second semester.]

Not given in 1910-1911.

37. **Roman Law**—Reading of selections from the public and private law of the Romans, accompanied by lectures. One hour attendance. One hour credit. First semester.

Head Professor Barber

Given in 1910-1911.

38. **Roman Law**—37 continued. Second semester.

Given in 1910-1911.

COURSES PRIMARILY FOR GRADUATES

19. **Lucretius**—Books I and III, with an examination into modal uses of the remaining books. Two hours attendance. Two hours credit. First semester.

Head Professor Barber

Given in 1910-1911 and alternate years.

20. **Cicero—de Oratore**, Book I, with an examination into modal uses in Cicero's essays. Two hours attendance. Two hours credit. Second semester.

Head Professor Barber

Given in 1910-1911 and alternate years.

[23. **Latin Palaeography**—A study of Latin manuscripts. One hour attendance. One hour credit.

Assistant Professor Sanford

Not given in 1910-1911.

[24. **Roman Epigraphy**—Study of select inscriptions. One hour attendance. One hour credit. Second semester.

Assistant Professor Sanford]

Not given in 1910-1911.

[25. **Seminary**—Special study of the syntax of the verb. Topics are assigned to students to investigate through the whole range of the literature. Two hours attendance. Two hours credit. First semester.

Head Professor Barber]

Not given in 1910-1911.

[26. **Seminary**—25 continued. Second semester.]

Not given in 1910-1911.

[45. **The Personal and National Characteristics of the Roman People**—Lectures. Papers by the students. One hour attendance. One hour credit. First semester.

Head Professor Barber]

Not given in 1910-1911.

[46. **The Personal and National Characteristics of the Roman People**—45 continued. Second semester.]

Not given in 1910-1911.

ROMANCE LANGUAGES AND LITERATURES

Professor Conklin, Adjunct Professor Korsmeyer, Instructor Reese,
Miss Swezey, Fellow

General undergraduate work enables the student to read modern and classical French with critical accuracy and appreciation.

Special undergraduate work provides for extended literary study in French, for practical drill in writing and speaking French and for the study of Italian and Spanish. Advanced students may, with the consent of the head of the department, avail themselves of the instruction offered in the Graduate College.

For the Teachers' Certificate the following courses, or equivalents, are required: Major, courses 1 to 12 inclusive, and 27, 28; minor, courses 1 to 12 inclusive.

REQUIREMENTS FOR MASTER OF ARTS

For graduate study in Romance languages at least three years of French are necessary. For the courses in the following groups equivalents are accepted.

Philological Group.—Second Minor: Old French, historical French grammar, Italian, or Spanish. First Minor: Requirements for second minor and further study of Old French and of Italian or Spanish. Major: Old French, historical French grammar, Italian, and Spanish, advanced course in either Italian or Spanish, Provencal, Romance phonetics.

Literary Group.—Second Minor: Studies of different periods in French literature, Italian, or Spanish. First Minor: Studies of different periods in French literature, Italian, and Spanish, or advanced course in Italian or Spanish. Old French. Major: French writing and speaking; studies of different periods in French literature; Italian and Spanish, advanced course in either Italian or Spanish, Old French, historical French grammar, special readings.

COURSES PRIMARILY FOR UNDERGRADUATES**French**

1. **French**—Introductory course. Five hours attendance. Five hours credit. First semester.

Professor Conklin, Adjunct Professor Korsmeyer, Instructor Reese

2. **French**—1 continued. Second semester.

3. **French**—Second-year course. Advanced reading. Three hours attendance. Three hours credit. First semester.

Professor Conklin, Adjunct Professor Korsmeyer, Miss Reese

4. **French**—3 continued. Second semester.

5. **French Writing and Speaking**—Must be taken with 3. Two hours attendance. Two hours credit. First semester.

Professor Conklin, Adjunct Professor Korsmeyer

6. **French Writing and Speaking**—5 continued. Must be taken with 4. Second semester.

7. **Classical Authors**—One hour attendance. One hour credit. First semester. Miss Reese

8. **Classical Authors**—7 continued. Second semester.

9. **Romantic School**—Two hours attendance. Two hours credit. First semester. Adjunct Professor Korsmeyer

10. **Romantic School**—9 continued. Second semester.

11. **French Writing and Speaking**—Advanced course (Teachers' course). Two hours attendance. Two hours credit. First semester. Professor Conklin

12. **French Writing and Speaking**—11 continued. Second semester.

13. **Modern French Drama and Novel**—One hour attendance. One hour credit. First semester. Professor Conklin

14. **Modern French Drama and Novel**—13 continued. Second semester.

COURSES FOR UNDERGRADUATES AND GRADUATES

French

15. **Studies of Different Periods in French Literature**—Prerequisite: Courses 7, 8, 9, 10, or equivalent work. Two hours attendance. Two hours credit. First semester. Professor Conklin

16. **Studies of Different Periods in French Literature**—15 continued. Second semester.

17. **French Literature**—16 continued. First semester.

18. **French Literature**—17 continued. Second semester.

Italian

19. **Italian**—Introductory course. Three hours attendance. Three hours credit. First semester. Adjunct Professor Korsmeyer

20. **Italian**—19 continued. Second semester.

21. **Italian**—Second-year course. Two hours attendance. Two hours credit. First semester. Adjunct Professor Korsmeyer

22. **Italian**—21 continued. Second semester.

Spanish

23. **Spanish**—Introductory course. Three hours attendance. Three hours credit. First semester. Professor Conklin

24. **Spanish**—23 continued. Second semester.

25. **Spanish**—Second-year course. Two hours attendance. Two hours credit. First semester. Professor Conklin

26. **Spanish**—25 continued. Second semester.

COURSES PRIMARILY FOR GRADUATES

French

27. **Old French**—Grammar and reading. Two hours attendance. Two hours credit. First semester. Professor Conklin

28. **Old French**—27 continued. Second semester.

29. **French Philology**—Historical French grammar, phonetical analysis of French words. One hour attendance. One hour credit. First semester. Professor Conklin

30. **French Philology**—29 continued. Second semester.

Provençal

33. **Grammar, Reading, and Analysis**—One hour attendance. One hour credit. First semester. Professor Conklin

34. **Provençal Literature**—Second semester.

Romance Phonetics

35. **Comparative Phonetics of Italian, Spanish, French and Provençal**—Lectures. One hour attendance. One hour credit. First semester. Professor Conklin

36. **Comparative Phonetics of Italian, Spanish, French and Provençal**—35 continued. Second semester.

DEPARTMENT OF SLAVONIC

Adjunct Professor Šárka Hrbkova.

1. **Beginners' Course**—Grammar, vocabulary, exercises, word structure. Selected readings from Reader. Five hours attendance. Five hours

2. **Beginners' Course**—1 continued. Grammar continued. Conversation. Reader completed. Selections from Erben's "Pověsti," "Pohádky" by Božena Němcová, "Humoresky" by Rubeš. Five hours attendance. Five hours credit. Second semester.

3. **Bohemian Literature**—Reading and interpretation of "Pod Dutým Stromem" by Hálek, "Ohlasy" by Čelakovský, "Babička" by Božena Němcová. Three hours attendance. Three hours credit. First semester.

4. **Bohemian Literature**—3 continued. Havlíček's "Tyrolské Elegie" and "Epigramy," Jan Neruda's "Povídky," "Různá Prosa" and "Básně." Three hours attendance. Three hours credit. Second semester.

5. **Bohemian Literature**—Svatopluk Čech's "Povídky a Arabesky," "Ještěbík contra Hrdlička," "Písň Otrocka," "Lešetínský Kovář." One to three hours attendance. One to three hours credit. First semester.

6. **Bohemian Literature**—5 continued. Dramas by Tyl, Šubert, Vrchlický, Kollár's "Slávy Deera." One to three hours attendance. One to three hours credit. Second semester.

(7. **Bohemian Literature**—Alois Jirásek's "Filosofská Historie," "Romanetta" by Arbes, Erben's "Kytice." Two hours attendance. Two hours credit. First semester.)

Not given in 1910—1911.

(8. **Bohemian Literature**—7 continued. "Pohorská Vesnice" and "Divá Bára" by Božena Němcová, "Ballady" by Vrchlický, "Pele Mele" by Mačhar. Two hours attendance. Two hours credit. Second semester.)

Not given in 1910—1911.

9. **Conversation**—Class-room exercises in Bohemian. Idiomatic and colloquial expressions. Review of grammar. Prerequisite: Bohemian 1 and 2 or satisfactory equivalent. Two hours attendance. Two hours credit. First semester.

10. **Conversation**—9 Continued. Practice in every-day Bohemian. Composition. Two hours attendance. Two hours credit. Second semester.

11. **Slavic Life**—A lecture course in English on Slavic life. Illustrated by 700 lantern slides covering subjects of customs, homes, occupations, costumes, amusements, child life, architecture, development of the arts and industries and growth of social and educational ideals among the Slavic nations. It includes also a study of Slav immigration, its causes and sources; its racial, political and economic significance; distribution of Slav immigrants; assimilative forces at work. One to two hours attendance. One to two hours credit. First semester. Will be repeated second semester.

12-13. **History of Bohemian Literature**—From the earliest times to the modern period. Based on Lutzow's "History of Bohemian Literature," Wratislaw's "The Native Literature of Bohemia in the Fourteenth Century," Pypin and Spasovič's "Historie Literatur Slovan-ských," Vlček's "Dějiny Poesie České," "Literatura Česká Devatenáctého Století," Tiefftrunk, Jungmann, Morfil, Ninger. Two hours attendance. Two hours credit. First and second semesters. (Unless desired by a sufficient number of advanced students, this course will not be given.)

UNIVERSITY EXTENSION

J. L. McBrien, Director

Aim of Regents.—The constant aim of the Regents of the University of Nebraska is to make the University a school of the people, by the people, and for the people—to bring the University and the home in closer touch; to give every citizen a chance to get the highest education at the smallest possible cost; to take the University to all the people of the state who are unable to adjust themselves to the formal system of education.

Purpose of University Extension.—The purpose of University Extension work is to give all persons who are unable to formally attend school an opportunity through correspondence study to investigate all problems—ar-

tistic, literary, historical, social, industrial, moral, political, educational,—problems in sanitation, city lighting, sewerage; banking, crises, money, divorce,—in fine, all problems that may concern the citizens of Nebraska.

To Whom the Work Appeals.—University Extension work, therefore, appeals to the following classes of persons: (1) rural, grade, and high school teachers who cannot avail themselves of resident instruction; (2) students preparing for college; (3) college students who are unable to pursue continuous resident study; (4) teachers and others who have a partial college course and wish to work along some special line; (5) instructors in higher institutions who desire assistance in the advance study of some subject; (6) professional and business men who wish technical information; (7) ministers and Bible students who wish to study the sacred scriptures from a literary standpoint; (8) all who desire a broader knowledge or a more thorough and comprehensive scholarship.

Division of Work.—As a matter of convenience, the work is divided into four departments as follows:

- I. Correspondence-Study.
- II. Instruction by Lectures.
- III. Debating and Public Discussion.
- IV. General Information and Welfare.

I. Correspondence-Study

The possibility and efficiency of teaching by correspondence-study has already been demonstrated by practical experience in University Extension work in the leading universities and colleges of both Europe and America. While such instruction lacks some of the advantages which resident study gives, it has compensating advantages of its own. In correspondence instruction the teaching is personal and individual. Every student studies and recites the whole lesson, and comes in contact by correspondence with the teacher as an individual, not as a member of a large class. Correspondence-study employs the spare time of the student, gives him an interest besides his daily work. It can be done at home, and thereby brings into the home a new influence and charm. Correspondence work, moreover, throws the student upon his own resources and makes him self-reliant and self-determining.

Through this new department, the University is reaching out a helping hand to every citizen. It plans to add to the resources of life, of education and of industry; to give practical assistance to the farmer and the mechanic, to the professional man and the business man, to the employer and the employee, to teacher and to student, to farmer boy and farmer girl, to housekeeper and home-maker.

For all who desire to take correspondence-study the University of Nebraska, through its Extension department, is able to offer:

First: Correspondence courses of study in all subjects required for county and state certificates.

Second: Correspondence courses of study for University credit, as follows:

- (a) Abraham Lincoln and His Times, by Professors Caldwell and Persinger.

- (b) School Organization and Administration, by Dean Fordyce.
- (c) Child Study, by Doctor Luckey.
- (d) Philosophy of Education, by Doctor Wolfe.
- (e) Industrial Geography, by Doctor Condra and Professor Bengtson.
- (f) English Literature, by Professor Stuff.
- (g) Nebraska History and Nebraska Problems in Legislation and Administration, by Mr. A. E. Sheldon.
- (h) Mechanical Drawing, by Professors Chatburn and Rasmusen.
- (i) Insurance and (j) Accounting (Political Economy and Commerce) by Doctor Stephens.

Methods of Work and Instruction.—Each lesson contains: (1) full directions for study, including reference to the text-books by chapter and page; (2) necessary suggestions for assistance; (3) questions to test the student's method of work as well as his understanding of the ground covered. After a careful study of the subject, the student writes his answers to the questions, with a statement of any difficulties that may have arisen during his study, and mails them to the Director of University Extension, Station A, Lincoln, Nebraska. The answer papers are carefully read and marked by the proper examiner, and are returned to the proper student by the Director. In like manner every lesson is carefully criticised by the instructor and returned, so that each student receives personal guidance and instruction throughout the course. The following specific directions must be followed by all correspondence students. The writing material should be the regular student's note-paper, regular teacher's examination paper, or single sheet legal cap. All papers must be written in ink. Answers shall be written on one side of the paper only. The name of the course, and the name and address of the student must be written at the top of the first page of each set of answer papers. Each page of answer papers must be properly numbered and fastened together in consecutive order before mailing to the Extension office. Answers must be in clear, concise terms. The answers must be numbered in the middle of the page to correspond to the questions. Credits will be deducted from carelessly written or illegible manuscripts. Correspondence students must use sufficient postage when mailing answer papers to the Extension office. On returning these papers to correspondence students, the Extension office will furnish the postage.

Requirements for College Credit.—Three hours' preparation constitute the minimum requirement in Extension work in any and all subjects for one hour of college credit. No credit is given without the approval of the head of the department in which the Extension work is taken. The final examination is given under such rules and regulations as the head of the proper department may require. Only one-half of the unit hours required for graduation may be taken in correspondence study, but teachers or other students who cannot enter University classes except during vacations, may acquire the remaining half of their credit units by attending summer sessions. No credit is recorded on the University books, however, until the student has accomplished satisfactorily an equivalent amount of work in residence.

Requirements for Entrance Credit.—Ten hours of preparation each week for one semester or a period of sixteen weeks constitutes the minimum requirement in Extension work for a credit point for entrance to the Uni-

versity. No entrance credit is granted without the approval of the head of the proper department, the Inspector of Accredited High Schools, and the Director of University Extension.

Requirements for Certification Credit.—Extension work pursued by those desiring to fit themselves for the teachers' examination for county certificates or the state professional certificate granted by the State Superintendent of Public Instruction is given under the supervision of the Director of University Extension, with the approval of the Inspector of Accredited Schools and the head of the proper department.

Expenses and Fees.—The fees for correspondence study are placed upon the lowest operating basis possible for thorough and expeditious instruction. Those who will investigate the fees charged by other state universities, private schools and colleges for correspondence study will find that the University of Nebraska has undertaken to do University Extension work at a lower cost to its students in the Extension department, than has ever been done before in this country, and at the same time not lower the efficiency of the instruction given. The fact must be borne in mind that the correspondence student is usually engaged in a gainful occupation or profession, whereas the resident student temporarily suspends his earning power. The correspondence student may also be said to be turning his leisure time into economic values by this method. These and many other factors contribute toward establishing this as an inexpensive system of achievement and education. All fees are payable in advance except when the student finds it necessary to make pro-rata monthly payments. No extra charge is exacted where payments are made by installments. There will be no refund of any fee paid for Extension work unless the University is unable to give instruction in the course of study applied for by the student.

Text-Books and Supplies.—All text-books and supplies necessary for the work desired may be bought from the Purchasing Agent, Mr. E. H. Clark, Station A, Lincoln, Nebraska, at cost. The student may purchase direct from the publisher, but it will expedite matters for those who take the work, as well as for the Extension department, to deal direct with the Purchasing Agent of the University, and in nearly every case it will be cheaper for the student so to do, as the University can secure all books at wholesale price, while the student could only obtain retail prices.

Time for Completing Work.—It is assumed that a semester's course of study in correspondence work may be completed by the average student in eighteen weeks on a minimum leisure for study of one hour and a half per day, six days in the week. It is, however, the student's privilege to pursue his studies as fast as he can or as slow as he must. If for reasonable cause the student desires more than one semester in which to complete the semester's work, this may be granted, but only under extraordinary circumstances will the student be given more than one year from the date of registration in which to complete a course of study. All students taking correspondence work are cautioned against trying to carry too much work at one time. When the student is over-burdened by regular daily duties and correspondence study, University Extension work will become a punishment and a detriment rather than a pleasure and an inspiration as it may when a reasonable amount of work is undertaken.

May Register Any Time.—One of the best features of University Extension work is that the student may register at any time and pursue the course of study alone, if necessary. As a rule better work can be done where there is a class of persons working together in an Extension center under a competent leader. But this will be impossible for a great number of those who desire to do Extension work. Therefore, they are given the opportunity of registering at any time and working alone.

Examinations.—Where the student is taking correspondence-study to prepare for the examination for a teacher's certificate, the final examination will be given under the rules and regulations governing the county teacher's examination, and will be conducted by the county superintendent or by the city superintendent of normal training high schools. This will place the examination within easy reach of every teacher taking the work. Where the final examination is taken for University credit, it will be given under the authority of the University of Nebraska and will be conducted by county superintendents, city superintendents and high school principals throughout the state as representatives of the University. This makes all examinations especially convenient for all who may be taking correspondence-study.

II. Instruction by Lectures

Instruction by lectures is one of the most important features of University Extension work. While the University of Nebraska has no fund for a state-wide free lecture course, it is able to offer through its Extension department first-class musical and lecture talent at the most reasonable rates ever made to the people of this state. The Extension department was opened Jan. 8, 1909. Since that date it has placed lecture and musical talent in over 300 villages, towns, and cities and up to June 1, 1910, had reached through this agency over 100,000 different citizens of the commonwealth with an aggregate audience of at least 300,000.

In New York City, courses of free lectures under the direction of the board of education have been conducted for over 20 years with exceptional success. In the twentieth year of this work, the audiences numbered in the aggregate over 1,500,000 and the work cost the city \$150,000. In the annual report of the department of education of the city of New York, the Supervisor of Lectures has the following to say of the influence of instruction by lectures on the adult population and general public: "It is too frequently forgotten that school education, as we understand it, is a comparatively recent invention. Among primitive nations almost all education was for the adult. Race knowledge, traditions and history are preserved by the old rather than by the young, and our scheme for the continuation of the training of the 'grown ups' restores the true balance, for, as one writer says, 'Today we emphasize and support a school for children, but neglect those broader educational forces which sustain and elevate the natural and intellectual tone of the adult population.' The influence of the public lecture system on the educational system in general is now apparent. Since the course was established a new conception of the meaning of the schoolhouse has been created in the public mind. More and more is it recognized that the schoolhouse should become a social and civic center. During the past fifteen years the schoolhouse has been used for a

variety of educational work to twice the extent that it was used before that time, while the inclusion in school buildings of auditoriums for lecture purposes indicates the fact that the school is no longer regarded merely as a place for the instruction of children, but also a place for the education of men and women. What finer sight can one observe instead of the boy 'creeping like snail unwillingly to school' than the grown man and grown woman going at all seasons and in all weathers at much sacrifice, after the toil and heat and burden of the day, to get a little light or stimulus or refreshment of the best kind in the schoolhouse? To what nobler purpose can our schoolhouse be put than to hold within its influence all the children of the public, young and old? The noblest epitaph ever written was the epitaph upon the grave of Richard Green—'He died learning.' To increase the number of those who wish to learn as long as they live, to keep their minds open to the truth and receptive of the best ideas, that is, in a measure subverted by this work.'

III. Debating and Public Discussion

We cannot better emphasize the aims of this department and the value of Debating and Public Discussion than to quote from the report of Dean Louis E. Reber, Director of University Extension of the University of Wisconsin: "This department aims to arouse and stimulate among all classes of people an intelligent and active interest in important social and political questions. Believing that there is no form of popular education that tends more essentially to the making of good citizens than study and discussion of live issues, the department collects and maintains a loan library of books and periodicals relating to questions of the day, available upon application, issues bulletins on special topics, and keeps in touch by correspondence or personal interview with civic leagues, town councils, library and school boards, farmers' and business men's clubs, high school and academy societies, and all similar organizations throughout the state. It is difficult to estimate the value of wide-spread, systematic training of this character in its influence upon the citizens of the state. It is conceded that no other study in the university or college does more to discipline the mind and promote an interest in questions vitally affecting humanity and the government than the work done in debating societies. It is fortunate that so useful and so broadening a pursuit can be carried on in the home of the student without interruption to his regular occupations. Without other outlay than time and thought the debater is led, first, to feel an interest in and desire to know about the great national and state issues of his day. This point gained, he is taught where and how to obtain material for his studies, a valuable asset in itself, if by this means he acquires the ability to inform himself when and upon what subjects he will. In studying great questions and formulating them for debate he learns to discriminate between fundamental underlying principles and non-essentials. He comes to recognize sound reasoning, not only in questions he debates, but in all his reading. In presenting arguments in public he is gaining lessons of self-control, of correct speech, and of concise thinking. That an immense influence may be exerted in countless directions by means of such training spread abroad throughout the state is evident."

The Nebraska High School Debating League was organized by Prof. M. M. Fogg, Department of Rhetoric, University of Nebraska, in January, 1908, at the earnest solicitation of several of the leading school men in the state for the purpose of promoting oral discussion in Nebraska secondary schools. Thirty-one schools participated in twenty League contests during the first year of its organization. During the last school year many schools participated in these League contests with profit and pleasure. There is great interest in the work for the ensuing year. The second number (1908-9) of the bulletin of the League containing accounts of the contests for the past school year and announcements for the school year, 1909-10, was published last May after the debate for the championship on High School Fete Day. Where any school belonging to the League desires material on the subjects to be debated during the ensuing year, it will be furnished at actual cost through the Extension department. This material will be selected by expert debaters working under the direction of Professor Fogg. This plan reduces the cost for debating material to the minimum for all schools belonging to the League.

IV. General Information and Welfare

The departments of history, political economy, sociology and the colleges of agriculture, law and medicine, will through the General Information and Welfare Department of University Extension, render valuable assistance to thousands of persons throughout the state.

University Extension is for the benefit of all the people and must be comprehensive both with reference to including the work of all departments of the University proper, so far as practicable, and in covering the widest possible range of study of all questions that concern the people of the commonwealth. Its purpose is clearly set forth in Professor Caldwell's report to the Chancellor and Regents, made April 18, 1908: "To investigate all problems—artistic, literary, historical, social, industrial, moral, political, educational; problems of sanitation, city lighting, sewerage; banking, crises, money, divorces, etc.—in fine, all problems that may concern the citizens of Nebraska."

For further information relative to any question concerning University Extension work, write the Director of University Extension, Station A, Lincoln, Nebraska.

ZOOLOGY

Head Professor Wolcott, Professor Powers, Associate Professor Barker, Mr. Medlar, and Assistants; Professor Willard

GENERAL INFORMATION

Besides a lecture room and the private rooms used by members of the staff, the department possesses a large general laboratory, laboratories for advanced and research work, a library, and a well stocked storeroom. The usual equipment is at hand, including microscopes and projection lantern, slides, charts, models, and demonstration material of various kinds. Worthy of note is a large series of marine forms from the Naples Zoological Station supplemented by other marine and fresh-water material. A set of

the Thiersch injected tissues, models by Ziegler, Dahlgren, and others, and a large collection of lantern slides and specimens illustrating parasitism, variation and other biological phenomena, are included.

Students entering upon the study of zoology should begin with courses 1 and 2, or A, of which at least 1 is required for admission to all subsequent courses, except 21 and 22 and 36. Students looking forward to the study of medicine have offered to them, after completing courses 1 and 2, course 3 or 15, 6, 7, and as electives 17 and 18. Forestry students may elect 14, after taking 1. Others desiring to do so and with sufficient reason, may, with the consent of the instructor, follow 1 by 12. Those expecting to teach will find it advantageous to elect 1 and 2, or A, followed or accompanied by 31, or 36; the requirements for the Teachers' Certificate in this department being: for a major, courses 1, 2, 5, 8, 10, 26, 30, and for a minor, courses 1, 2, 5 and 10. Those who plan to specialize in zoology, after completing courses 1 and 2, should take 3 and 6, and then may select further work from the several lines open to them.

Attention is called to the opportunities for preparation in lines leading to professional work in zoology. A course in economic zoology and entomology is offered which fits the student for experiment station work, and government work in entomology; by slight modification and the proper use of electives the course furnishes suitable preparation for the work of the U. S. Biological Survey. The student may also, by the election of courses in parasitology, animal pathology, etc., readily adapt his preparation to the needs of the work in the Bureau of Animal Industry. In all these lines there is a steady demand for properly trained men at good salaries. Students considering entering upon any of these lines of work are urged to consult freely with the head of the department.

Attention is particularly directed to the zoological work carried on under the separate departments of Entomology and of Histology and Embryology, the work of which supplements that of this department and must be considered by the special student who desires a well rounded course. Work in Biometry is offered in connection with the department of Mathematics.

The ability to read German and French is of great advantage in all courses in the department and is required in all graduate work.

FACILITIES FOR GRADUATE STUDY

One laboratory is devoted exclusively to research students, and there are also available a photographic room equipped with the necessary apparatus, an aquarium room abundantly provided with tanks and running water, and a live house for the keeping of larger animals. The supply of apparatus includes apochromatic lenses, Zeiss and Leitz microscopes, Reinhold Giltay, Minot and Thoma microtomes, Lillie and Naples paraffin baths, and all necessary subsidiary apparatus, including that for drawing and photographic work.

The department possesses alcoholic material which offers attractive opportunities for investigation along certain lines. Especially noteworthy is a very large collection of mites, a comparatively unworked group of great economic and scientific importance. There is a rapidly growing collection of parasitological material in excellent condition.

A specialty is made of the maintenance in the aquarium room of permanent colonies of protozoa and a number of the lower invertebrates under various environmental conditions, which permits of extensive study of life histories and variation in these forms.

The library, adjacent to the laboratory and containing approximately 2500 volumes, is especially strong in sets of publications of scientific societies and institutions and of zoological periodicals, and is supplemented by the private libraries of members of the staff which are accessible to research students working under their direction. The general University Library and the libraries of the College of Medicine, of the Nebraska Experiment Station, and of allied departments, furnish many valuable series in addition.

The publications of the departmental staff and of graduate students are included in a series entitled "Studies from the Zoological Laboratory," of which five volumes, comprising Nos. 1 to 100, have already been published.

MASTER OF ARTS

To register as a candidate for the degree of Master of Arts, a student must have completed two years of undergraduate work in zoology and one in botany. Before entering upon graduate work in zoology, the student must consult with the head of the department as to the details of his course, even though his work may actually be done under the immediate direction of another member of the staff. The ordinary requirements are as follows:

Second Minor: Any three-hour course throughout the year, together with a one-hour course of assigned reading.

First Minor: A total of six hours throughout the year, together with a two-hour course of assigned reading.

Major: An amount of work equivalent to 12 credit hours throughout the year, including a thesis and accompanied by the proportionate amount of assigned reading.

Complete course: The whole time of the student for the year is spent in the field of zoology, and the subject selected for the thesis is accordingly more difficult than in the preceding case.

DOCTOR OF PHILOSOPHY

The preparation required of the student is the same as for the Master's degree. The latitude allowed in the election of subjects is naturally much less, but the equipment of the department is such that in certain directions it is possible to offer work for this degree with zoology as a major. Of course the student must undertake such work only with the advice of the head of the department. The requirements are:

Minor: An amount of work approximating that of the complete course for the degree of Master of Arts.

Major: A course of graduate study which shall meet at least the minimum time requirement imposed by the graduate college, and the preparation of a thesis which shall represent original research.

COURSES PRIMARILY FOR UNDERGRADUATES

1. **General Zoology**—For beginners and those wishing a general insight into methods and principles of the science. The lectures cover the general

principles of morphology, physiology, development, distribution, classification and evolution of animals; the laboratory work, an intensive study of types drawn from the Protozoa and simpler invertebrates, together with subsidiary cytological and embryological material. Three hours attendance. Four hours laboratory. Three hours credit. By proportionate increase in laboratory and in assigned reading, five hours credit. First semester.

Professor Powers and Assistants

2. General Zoology—1 continued. Second semester.

A. General Zoology—For beginners and those who desire to complete a year's work in general zoology in one semester. This course covers the same field as courses 1 and 2. Five hours attendance. Eight hours laboratory. Five hours credit. Second semester.

Associate Professor Barker, Mr. Medlar

COURSES FOR UNDERGRADUATES AND GRADUATES

3. Invertebrate Morphology—Protozoa, Porifera, Coelenterata, and the worms. The lectures cover morphology and taxonomy, the laboratory work comprises gross dissection and microscopical study, and the course serves as an introduction to microscopical technique. Intended for the general student. (The phyla Echinodermata, Arthropoda and Mollusca are handled in alternate years, and may be expected in 1911-12.) Three hours attendance. Eight hours laboratory. Four hours credit. First semester. Prerequisites: Courses 1 and 2, or equivalent.

Associate Professor Barker, Mr. Medlar

6. Comparative Anatomy of the Vertebrates—The lectures cover the entire group of vertebrates. The laboratory work includes the dissection of a fish, amphibian, reptile or bird, and mammal, with demonstrations from preparations in other groups. Methods of preparing dissection material and making injections of circulatory system. Three hours attendance. Eight hours laboratory. Four hours credit. Second semester. Prerequisites: Courses 1 and 2, or equivalent.

Professor Willard and Assistants

7. Comparative Osteology of the Vertebrates—A study in morphology, with the skeleton as a basis. The lectures are general and comparative. For the academic student laboratory work of similar character is arranged. For students in medicine and in physical training who expect to go on to human anatomy, the laboratory work involves a detailed study of the human skeleton. Two hours attendance. Four hours laboratory. Two hours credit. First semester. Should be preceded or accompanied by courses 1 and 2 or A.

Head Professor Wolcott

9. Advanced Work in Animal Morphology—Devoted to the study of some assigned problem in morphology. Laboratory work with conferences and reading. May be elected as a five to ten hours study. First semester. Elected only after consultation with instructor.

Head Professor Wolcott, Professor Powers, or
Associate Professor Barker

10. Advanced Work in Animal Morphology—9 continued. Second semester.

12. Economic Zoology—A course in which the economic aspects of zoology are emphasized. Lectures, laboratory and field work. Intended for those specializing in agricultural subjects. Three hours attendance. Six hours laboratory and field work. Three hours credit. Second semester. Must be preceded by courses 1 and 2, or by permission of the instructor may follow 1.
Head Professor Wolcott

14. Forest Zoology—Devoted to a study of the animal life of the forest, exclusive of insects, with particular attention to forms which are beneficial or injurious and which affect the propagation and spread of forest trees either in a state of nature or under cultivation. Intended especially for students in forestry. Three hours attendance. Six hours laboratory and field work. Three hours credit. Second semester. May be taken by forestry students after course 1.
Head Professor Wolcott

15. Medical Zoology—Lectures on morphology, taxonomy and relation to medicine of the groups Protozoa, Platyhelminthes, Nematelminthes and Arthropoda and their rôle in the production and transmission of disease. The laboratory work comprises gross dissection and microscopical study and serves as an introduction to microscopical technique. Intended especially for the medical student. Three hours attendance. Four hours laboratory. Two hours credit. First semester. Prerequisites: Courses 1 and 2.
Associate Professor Barker

17. Animal Parasites—Taxonomy, morphology, biology and economic relationship of animal parasites. Lectures, laboratory and field work. The handling of a simple assigned problem. Two hours attendance. Four to twelve hours laboratory. May be elected as a two to five hour course. First semester. Open to students who have had Zoology 1, 2 and 3 or their equivalent.
Associate Professor Barker

18. Animal Parasites—Course 17 continued. Second semester.

Associate Professor Barker

21. Organic Evolution, Historically Considered—The subject matter is so treated as to develop, not only the history of the evolution idea and its applications, but the development of scientific method and habits of thought. The first semester covers the ground from the Greeks to and including Darwin's theory of natural evolution. Lectures and assigned readings. Two hours attendance. Two hours credit. First semester. Designed for the general student and requiring no previous work in zoology; not accepted as fulfilling the requirement represented by Group 8 of the required electives.
Professor Powers

Given in 1910-11 and alternate years.

22. Organic Evolution—Course 21, continued. Covers the critical period subsequent to Darwin; the development of rival theories, return to inductive methods and slow accumulation of evidence. Practical applications of proven results. Second semester.
Professor Powers

Given in 1910-11 and alternate years.

25. Advanced Work in Experimental Zoology—Individual work on an assigned problem. Laboratory work with conferences and assigned read-

ings. May be elected as a five to ten hour subject. First semester. May be taken only by permission of instructor. Professor Powers

26. **Advanced Work in Experimental Zoology**—Course 25 continued. Second semester.

27. **Advanced Work on Local Fauna**—A course in ecology, devoted to the study of some problem connected with the distribution within the state of a certain group of animals, or with the fauna of a certain habitat. The aquarium room offers facilities for keeping material throughout the winter. Field and laboratory work with conferences and assigned reading. May be elected as a five to ten hour course. First semester. Open only to a limited number, by permission of instructor.

Head Professor Wolcott or Professor Powers

28. **Advanced Work on Local Fauna**—Course 27 continued. Second semester.

31. **Field Zoology**—From six to ten field trips taken on Saturdays, covering usually one half day each, under the direct supervision of the instructor, the object being the direct study of the local fauna and the cultivation of habits of outdoor observation. Field notes, a limited amount of reading and written reports on special subjects are also required. The work is correlated closely with that done in Zoology 1 and 2, is open only to those who have taken or are taking these courses, and is especially advised for those who expect to teach zoology. Any person who is not accustomed to outdoor exercise should consult with the instructor before electing the course. The course is elective in the first semester but continues throughout the year, the total amount of work required being equivalent to one credit hour.

Professor Powers

36. **Ornithology and Nature Study (Teachers' Course)**—A course in ornithology which may be supplemented by a systematically arranged series of problems designed to train the power of direct observation and deduction from such observation. Planned especially for those expecting to teach in the grades. May be elected as a one hour course in ornithology, demanding one hour attendance and an average of two hours of field and laboratory work weekly, or as a two hour course, demanding in addition a conference hour and an additional field or laboratory period of two hours. Second semester. Open to all, and not recognized in fulfillment of the group requirement for a degree.

Head Professor Wolcott, Mr. Zimmer

41. **Seminar**—Reviews of recent literature and discussion of current problems. Participated in by the department staff and open to election by advanced and graduate students, of whom are required reports on assigned readings. One hour attendance. One hour credit. May be elected more than once. First semester.

42. **Seminar**—41 continued. Second semester.

43. **Research**—The equipment of the department and the library facilities are such that research along certain lines indicated below is being carried on. An extensive Salt Basin, including a salt lake over a mile in

extent and alkali flats with numerous ponds, all within a few minutes' walk of the campus, offer noteworthy opportunities for certain types of investigation.

a. Morphology of the mites. Ecological studies and investigations on the local fauna. Study of variation in certain insect groups, particularly the tiger-beetles. Head Professor Wolcott

b. Morphology of the protozoa. Experimental research on reproduction of fresh-water hydroids and rotifers; and on problems involving growth, regeneration, color pattern, etc. in the salamander. Variational and distributional studies on the animal life of ponds, especially those of the Salt Basin. Professor Powers

c. Morphology of certain parasitic protozoa and worms.

Associate Professor Barker

The College of Engineering

CONTENTS

	PAGE
Officers of Administration and Instruction.....	204, 205
Organization of the College of Engineering.....	206
Equipment and Facilities for Instruction.....	206-208
Student Organizations	208
Requirements for Admission.....	209-212
Requirements for Graduation.....	212, 213
Fees and Expenses.....	214
Groups of Study and Degrees.....	215, 216
Graduate Work in Engineering.....	216
Order of Courses in Four-Year Groups.....	217-222
Order of Courses in Six-Year Combined Group.....	222-224
Courses of Instruction.....	225-234

OFFICERS OF INSTRUCTION AND ADMINISTRATION

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

JAMES STUART DALES, M. Ph., Treasurer of the University.

PHILIP JOHN HARRISON, A. B., Registrar and University Publisher.

CHARLES RUSS RICHARDS, M. E., M. M. E., Dean of the College of Engineering and Head Professor of Mechanical Engineering and Practical Mechanics.

ELLERY WILLIAMS DAVIS, Ph. D., Head Professor of Mathematics and Dean of the College of Arts and Sciences.

OSCAR VAN PELT STOUT, B. C. E., C. E., Head Professor of Civil Engineering.

GEORGE RICHARD CHATBURN, B. C. E., A. M., Head Professor of Applied Mechanics and Machine Design.

BURTON EVANS MOORE, Ph. D., Professor of Physics.

CARL CHRISTIAN ENGBERG, Ph. D., Professor of Applied Mathematics.

GEORGE HART MORSE, B. E. E., Professor of Electrical Engineering.

LEON WILSON CHASE, B. Sc., Professor of Agricultural Engineering.

CLARENCE AURELIUS SKINNER, Ph. D., Professor of Physics.

GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Economic Geology.

*BENTON DALES, Ph. D., Professor of Analytical Chemistry.

CAPTAIN HALSEY E. YATES, 17th Inf. U. S. A., Professor of Military Science and Tactics.

LOUIS BRYANT TUCKERMAN, JR., A. B., Assistant Professor of Physics.

CHARLES LEE DEAN, B. Sc., in M. E., Assistant Professor of Mechanical Engineering.

JUDD NOBLE BRIDGMAN, M. S., Assistant Professor of Civil Engineering.

PHILIP K. SLAYMAKER, M. E., Assistant Professor of Applied Mechanics and Machine Design.

* In charge of the Department of Chemistry.

GEORGE BORROWMAN, A. M., Adjunct Professor of Chemistry.

VERNON LEO HOLLISTER, B. S., Adjunct Professor of Electrical Engineering.

JESSE EPHRAIM RASMUSEN, B. Sc. in M. E., Adjunct Professor of Applied Mechanics and Machine Design.

ALFRED BOYD, B. Sc. in E. E., Adjunct Professor in Civil Engineering.

ALBERT EGGLETON BUNTING, Adjunct Professor of Practical Mechanics.

LYNN A. SCIPIO, A. B., B. S., Adjunct Professor of Mechanical Engineering.

CLAUDE KEDZIE SHEDD, B. Sc. in Agr., Adjunct Professor of Agricultural Engineering.

WALTER SCOTT PAYNE, Instructor in Foundry and Machine Shops.

CLARK EDWIN MICKEY, B. Sc., Instructor in Applied Mechanics.

CLARENCE A. PEARSON, Instructor in Forge and Foundry Work.

Standing Committees of the College of Engineering

Course of Study and Advanced Standing—Professors Chatburn, Stout, Morse, Richards.

Schedule of Classes—Professors Engberg, Hollister, Dean, Rasmusen, Bridgman, Tuckerman, Borrowman, the Registrar.

Unclassed Students—Professors Stout, Morse, Chatburn, and the Registrar.

ORGANIZATION OF THE COLLEGE OF ENGINEERING

By an act of the Legislature of 1909, the Industrial College of the University was abolished and the engineering departments, formerly included in that college, were organized into a College of Engineering. It is the purpose of this college to give a broad, thorough training in mathematics and the physical sciences, with the application of these subjects to the fundamental and special branches of engineering science. While strongly emphasizing those subjects which are of fundamental importance to all branches of engineering, a considerable amount of specialization is permitted in the several groups of study offered by the college. In each department of instruction the work in the class room is made clear and real by extensive work in the laboratories.

EQUIPMENT AND FACILITIES FOR INSTRUCTION

Three buildings on the University Campus are devoted primarily to the work in the College of Engineering: the Electrical Engineering Laboratories, erected in 1891; Mechanical Arts Hall, erected in 1898; and the Mechanical Engineering Laboratories, erected in 1909.

Mechanic Arts Hall is devoted to the work in civil engineering, electrical engineering, applied mechanics and machine design and mathematics. In addition to the lecture rooms, designing and instrument rooms and offices of these departments, the building contains the following important laboratories:

(1) **The Materials Laboratory**, devoted to the study of the strength and properties of the materials of construction, contains a 200,000 lb. and a 50,000 lb. testing machine, a torsion testing machine, two types of cement testing machines, a standard paving brick rattler, together with instruments and other apparatus for testing cement, stone, brick, and the metals.

(2) **The Electro-Chemical Laboratory** is provided with instruments and apparatus for the study of primary and secondary batteries, electric furnaces, etc.

(3) **The Engineering Library** contains a large and valuable collection of engineering and mathematical books, bound periodicals, transactions of engineering societies, with all the more important engineering journals. The completeness of this library makes it well adapted for study and research.

Surveying. For the work in surveying a large assortment of levels, transits, plane tables, rods, chains, etc., is provided.

(4) **The Electrical Engineering Laboratories**, devoted exclusively to the work in electrical engineering, contain (in addition to some lecture rooms and small research laboratories), the **Dynamo Laboratory**, which is well equipped with a variety of electrical generators, motors, transformers, lamps, instruments, etc., for experimental and research work. Among the important machines in this laboratory, the following may be mentioned: A 20 lamp Wood and a 25 lamp Thomson-Houston series are generator; a $3\frac{1}{2}$ k. w. U. S. shunt wound generator; two 15 k. w. Edison shunt wound generators; two $1\frac{1}{2}$ k. w. Edison shunt wound generators; a 30 k. w. Westinghouse single phase, alternating current generator; a 15 k. w. General Electric three phase, alternating current generator; a 20 h. p. Lincoln variable speed motor; five different types of direct current motors; a 30 h. p. Crocker-Wheeler and a 10 h. p. Westinghouse three phase induction motor; two $7\frac{1}{2}$ k. w. rotary converters of different types.

The Mechanical Engineering Laboratories building, just completed at a cost of \$118,000, is the largest and one of the finest in the university group. The building contains the class rooms, offices, and the following important laboratories of the Department of Mechanical Engineering:

(1) **The Power Laboratory**, for experimental and research work in steam engineering, gas power engineering, refrigeration and hydraulics. Among the more important items of equipment in this laboratory may be mentioned: A 150 h. p. cross-compound, condensing Corliss engine, with every conceivable attachment for research work; a 20 and a 25 h. p. simple automatic engine; a 5, 15 and 40 h. p. simple throttling engine; two 20 h. p. steam turbines of different types; a 65 h. p. cross-compound, two-stage air compressor with Meyer valve gear; a 50 h. p. Buckeye tandem producer gas engine attached to a specially designed Smith suction gas producer, arranged to burn any kind of fuel; an 18 h. p. Mietz & Weiss oil engine; a 14 h. p. Jacobson automatic gas and gasoline engine; an 8 h. p. Springfield gas and gasoline engine; a ten ton York refrigerating machine, complete with freezing tank, etc., for the study of refrigeration and the manufacture of ice; a large duplex, direct acting steam pump; two surface condensing outfits; two three-stage turbine pumps, each direct-connected to a 50 h. p. variable speed, three-phase induction motor; a complete equipment of New York and Westinghouse air brakes; a large steel pressure tank, concrete wier tanks, weighing tanks, scales, etc., for experimental work in hydraulics and the testing of hydraulic motors; together with a large assortment of indicators, dynamometers, etc.

(2) **The Fuel Testing Laboratory**, containing a number of coal and gas calorimeters for determining the heating value of coal, gas and oil, and the necessary apparatus for testing lubricants and friction.

(3) **The Wood Working Laboratory**, containing forty speed lathes and thirty-two work benches, with complete sets of tools, a pattern makers' lathe, combined cross-cut and rip buzz saw, band saw, jig saw, planer, etc.

(4) **The Foundry Laboratory**, containing two cupola furnaces, two brass furnaces, core ovens, a large traveling crane and all other necessary apparatus for foundry work.

(5) **The Forging Laboratory**, containing thirty-five down draft forges, complete with tools, a large direct-connected motor driven blower and exhaust fan, a steam hammer, drill press, etc.

(6) **The Machine Tool Laboratory**, containing fifteen screw cutting lathes, two speed lathes, a large planer, two shapers, two milling machines, a large horizontal boring mill, a large universal grinding machine, a universal cutter grinder, several drill presses, including a large radial drill, together with a variety of other tools, machines and benches for machine tool and bench work in the metals.

The University Heating and Power Plant houses the University power and heating boilers, stokers, and electrical generating plant of 400 k. w. capacity. While primarily a "commercial" plant, the apparatus may be used occasionally by engineering students for testing.

The Agricultural Engineering Building, located on the campus at the University Farm, contains laboratories for work in wood, for forge work and for experimental and research work with farm machinery, farm motors, etc.

STUDENT ORGANIZATIONS

The Engineering Society. Membership in this society is open to all students in the college. It was organized to promote interest in engineering science and the work of the College of Engineering. In addition to papers presented by its members, there are, during the year, a number of addresses delivered before the society by professional engineers. The society issues an annual publication called the *Blue Print*, containing technical articles by students, alumni and members of the faculty.

Student Branch of the American Institute of Electrical Engineers. This society, authorized by the A. I. E. E. to develop an interest in electrical engineering in general and the work of the parent society in particular, is open primarily to students in the electrical engineering group, and to local electrical engineers.

Student Branch of the American Society of Mechanical Engineers. This society, authorized by the A. S. M. E., is open primarily to students in the mechanical engineering group.

Literary and Social. The Palladian and the Union are open University literary societies meeting weekly on Friday evenings in their rooms in the Temple. Membership in a number of other literary and social clubs is open to students in the College of Engineering.

Religious. The Young Men's Christian Association, a non-sectarian and voluntary organization of Christian men, members of the University, organizes and conducts Bible study among the students, holds public meetings, helps students to find suitable rooming and boarding places, gives free aid to students in search of employment, and publishes an annual Students' Handbook containing information especially valuable to new students. Inquiries should be addressed to the Secretary of the Young Men's Christian Association, Station A, Lincoln, Nebraska.

ADMISSION TO THE COLLEGE OF ENGINEERING*

Entrance Credits. For admission to the Freshman class the candidate must present entrance "credits" equal to 30 "points,"† that is, a total of 150 recitation or "credit" hours. Conditional admission is permitted on a minimum of 24 "points," or 120 hours. A student admitted conditionally must remove the conditions at the earliest possible opportunity. The degree will not be granted until such conditions are removed. Persons unable to meet the entrance requirements may be admitted as special students, not candidates for the degree. Upon fulfilling the entrance requirements, such special students may register as regular students, and become candidates for the degree. All candidates for admission should submit their entrance credentials to the Registrar at least one month in advance of registration.

Required Subjects (16 points). Of the 30 points required for admission, sixteen must be presented from the following subjects in the amount indicated:

Algebra (through logarithms), 1½ years, 5 hours a week.....	3
Rhetoric and Literature, 2 years, 5 hours a week.....	4
Geometry (plane and solid), 1½ years, 5 hours a week.....	3

* See page 29 for table of simplified entrance requirements effective September, 1, 1911.

† A "credit point" means the work of five recitations a week, of not less than forty minutes each, for at least eighteen weeks. In laboratory courses, a "credit point" means three recitations a week plus two double periods of laboratory work under the supervision of an instructor. The time element with each subject is essential.

Language (French, German, Spanish, Greek, Latin—One language preferred. Not more than two of these subjects), 2 years, 5 hours a week	4
Physical science (Physics), 1 year, 5 hours a week.....	2

Optional Subjects (14 points). In addition to these required subjects, for which no substitutes are accepted, applicants must present fourteen points from the following optional subjects:

Agriculture	1
*Rhetoric and Literature, 1 year, 5 hours a week.....	4
History (American or European), 3 years, 5 hours a week.....	6
Language (ancient or modern), 3 years, 5 hours a week.....	6
Manual Training, 1 year, 5 hours a week.....	2
Mechanical Drawing, $\frac{1}{2}$ year, 5 hours a week.....	1
Natural Science (Botany, Zoology), 1 year, 5 hours a week.....	2
Normal Training	1
†Physical Science (Chemistry), 1 year, 5 hours a week.....	2
‡Senior Reviews	1
Trigonometry (plane), $\frac{1}{2}$ year, 5 hours a week.....	1
Astronomy.....	} Not more than 4 accepted..... 4
Bookkeeping.....	
Civics.....	
Geology.....	
Physical Geography.....	
Physiology and Hygiene.....	}
Political Economy.....	

Adult Special Students. Persons at least twenty-one years of age, who do not fulfill the regular entrance requirements, but who offer an academic training substantially equivalent, or whose incomplete academic training has been duly supplemented by experience in teaching or other practical preparation, or by special attainment in some particular line, may be admitted to the college as Adult Special Students under such conditions as shall be deemed wise in each individual case. Adult Special Students are subject to the same University regulations as regular undergraduates, and they may become candidates for graduation upon fulfilling all University requirements, including those for entrance. In case of failure to maintain a good standing in the studies registered for, this privilege is withdrawn, and an Adult

* Four optional points are granted only to schools named by the Committee on Accredited Schools.

† Students who do not present two points in Chemistry among their optional subjects, will find it necessary to complete equivalent work in Chemistry at the expense of the free electives in the groups of this college.

‡ Credit granted only to Normal Training High Schools.

Special Student suspended for failure in University work may be readmitted only upon attaining regular undergraduate standing. No person is permitted to abuse the privilege of registering as an Adult Special Student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason. The requirements in military drill and physical training apply to Adult Special Students as well as to candidates for degrees. Request for admission as special students must receive the approval of the Committee on Unclassed Students; the action of this committee is final. Where possible, regular students must carry at least 12 hours of required work as scheduled under "Groups," or they become special, in which case their registration must be approved by the Committee on Unclassed Students.

Advanced Standing. Candidates from other universities, or from colleges whose requirements for admission and for graduation are equal to those of this University, are, on presenting to the Registrar certified statements of their standing therein, admitted to the same standing in this University; but such alien credit can, in no case, extend to more than three-fourths of the credits required for graduation from the University. Candidates from colleges whose requirements for admission are not equal to those of this University receive proportionally less credit, but are given reasonable opportunity to make up the work wherein they are deficient. Holders of diplomas from scientific, engineering, agricultural and other colleges whose undergraduate work is based upon much lower preparation than that required in this University are given full credit for that part of their work found preparatory to the courses which they wish to enter here. They receive three-fourths credit for any other college work covered by the records which they present. A candidate may, at his option, waive the three-fourths credit thus allowed and take examinations for full credit. In all cases not here specified, the candidate, to receive credit for his best work, is required to pass an examination.

Entrance from Accredited Schools. The University maintains a list of "accredited" secondary schools whose graduates are admitted to the University without entrance examinations in duly certified subjects. The list of these accredited schools is contained in the Annual General Catalog of the University, and also in the High School Manual published annually by the University and the State Department of Public Instruction.

Registration. Registration in the College of Engineering takes place on the first five days of each semester, from 9 a. m. Tuesday to 5 p. m.

Saturday.* To promote prompt registration, a fee of \$3.00 is charged any student who, unless excused by the Chancellor, seeks to register outside of these days.† A like fee of \$3.00 is charged for re-registration when made necessary by the student's fault; any change whatever in a registration once made is regarded as a re-registration. A student changing from one college to another must pay a new matriculation fee of \$5.00, and no student may make such a change without written permission to the Registrar from the dean of each college concerned. No student is allowed to drop any study for which he has been regularly registered, except by written permission from the dean of his college. No regular student is allowed to register for less than twelve (12) hours nor for more than eighteen (18) hours a semester. A student cannot attend a class for which he is not registered, and no credit is granted for studies pursued without registration.

REQUIREMENTS FOR GRADUATION

Hours of Credit. In all of the four-year groups in the College of Engineering, 125 hours of University credit are required for graduation. No student is recommended for graduation who is not within eighteen hours of this requirement at the beginning of his last semester.

Required Subjects. The subjects required for graduation from any one of the four-year engineering groups are given under the appropriate group heading on pages 31 to 36. Four hours of military science (courses A1, A2, AA1, AA2) are required of all men students. Only credibly attested physical disability, or conscientious scruples (on the part of parent in case of a minor), are accepted as excusing from the requirement in military science. Unless excused or reprieved by the Chancellor, each undergraduate man must fulfill this requirement in his freshman and sophomore years. A failure to take military science during the required semester, unless reprieved in writing by the Commandant or the Chancellor, increases the military science requirement one semester for each failure. A reprieve does not abridge or otherwise modify a man's requirement in military science

* Graduate students, however, may register at any time until the end of the week following the regular registration days.

† Properly prepared students who are unable to enter at the beginning of the year are admitted later; but all students who can possibly do so are urged to be present at the beginning of the year, as students entering later are at much disadvantage.

‡ A course receives one hour of credit for each one-hour recitation or lecture and two-hour preparation period it demands for each of the eighteen weeks or a semester.

save to defer the period for discharging it; and no reprieved man leaving the University without having discharged this requirement can claim honorable dismissal. A man excused from this requirement (whatever the reason) must still, in order to graduate, obtain the full number of hours credit required of other candidates for the degrees sought. Thorough drill elsewhere than at the University may, as in the case of any other study, on evaluation, be credited to a student in lieu of a like amount of military science at the University. Such credit by commutation, however, in no case exceeds a total of four hours.

Special Examinations. The board of regents has made the following ruling: (1) No student has a right to demand a private examination. Such examinations are granted simply as favors, at the option of instructors. (2) No member of a class or section may, for any reason or under any pretext whatever, be privately examined at an earlier time than that at which the regular examination of the class or section is scheduled. Any individual examination permitted must be held later. (3) To be examined at a time later than that set for his class or section, whatever the reason, a student must pay a special examination fee of \$1 a course. The student desiring an individual examination in any course, first obtains his instructor's consent thereto, and then pays the secretary the proper fee, taking a receipt. This receipt, being shown the instructor, authorizes him to proceed with the examination.

Student Rules and Regulations. Students in the College of Engineering are under the same University regulations as are the students of the other colleges of the University in regard to absence, delinquency, dismissal, student activities, and rooming. The most important of these rules are summarized in the first section of the annual General Catalog of the University; a pamphlet containing the entire set of rules may be obtained from the Registrar.

FEES AND EXPENSES

Fees must be paid, upon registration, to the Treasurer. No part of the fees can be refunded to a student after the beginning of the fourth week of a semester or session. Any refund should be called for at the time of withdrawal from a class or from the University. The following fees are required of students in the College of Engineering:

Matriculation (on first registration only).....	\$5 00
Being a statutory one, this fee cannot be refunded except when collected in error. It is also charged any student changing membership from one college to another.	
Non-resident tuition (charged persons not residents of the State of Nebraska), each semester.....	15 00
Incidental, each semester.....	3 00
Diploma fee	5 00
If degree is taken <i>in absentia</i> , \$10.00 additional.	
Special Registration (late registration or re-registration).....	3 00
Special Examination	1 00

LABORATORY FEES

Agricultural Engineering—Course 1, \$3; 2, \$4; 3, \$1; 4, \$2.
Applied Mechanics—Courses 15, 16, 17, 18, 19, 20, \$3.
Chemistry—Courses A, B, 1, 2, 3, 3a, 4, 13, 14, 20, 21, 22, 34, \$5; courses 5, 15, 16, 23, 27, \$2; course 41, \$8; course D, 1 and 2 combined, \$10; courses 7, 8, 39, 40, for each credit hour a semester, \$1.
Civil Engineering—Courses 5, 6, 8, 30, \$3.
Electrical Engineering—Courses 6, 8, 9, \$5.
Mechanical Engineering—Courses 1, 2, 3, 4, 5, 6, 15, 17, \$4; course 16, \$5.
Physics—Courses 1, 2, 3, 4, 6, 7, 8, 15, 16, \$4; courses 1a, 2a, 3a, 4a, \$1; courses 1b, 2b, 3b, 4b, \$3.

These fees do not cover careless waste, breakage, or injury to apparatus. In any such case the student is required, upon notice by the department concerned, to pay the amount of such waste or damage at the secretary's office, and to present his receipt therefor to the department before his semestral credit is reported to the Registrar.

Expenses. The average cost of a year's attendance at the University (not including fees of any kind) is about \$300. Many students reduce this amount. Board and lodging may be had among families of the city. In September the Young Men's Christian Association and the Young Women's Christian Association make, under the direction of the Registrar, a canvass of the city and keep on file lists of rooms and boarding places. The Young Men's Christian Association maintains an employment bureau. A student in a city the size of Lincoln has many opportunities to secure employment by which he may defray at least part of his expenses. The authorities of

the University do not, however, undertake to find employment for students. A student is advised not to enter the University unless he can count upon resources for one semester—at least \$150.

GROUPS OF STUDIES AND DEGREES

The College of Engineering offers four-year groups of study in Agricultural, Civil, Electrical and Mechanical Engineering, leading to the degree of Bachelor of Science in Agricultural, Civil, Electrical or Mechanical Engineering, and a six-year combined Academic and Engineering group leading to the degree of Bachelor of Arts at the end of the fourth or fifth year and that of Bachelor of Science in one of the engineering groups at the end of the sixth year. In all of the four-year groups 125 "credit hours" are required for graduation.

Agricultural Engineering. The courses in Agricultural Engineering are arranged especially for those who expect to teach the subject and for men who contemplate the management of large farms or ranches which are handled on an extensive scale. Graduate Work in Agricultural Engineering.—The field of Agricultural Engineering is so new and as yet so undeveloped that there is a great opportunity for original investigation. Men who can devote some of their time to graduate work in any of the engineering departments are encouraged to make a study of some of the phases of undeveloped Agricultural Engineering and, if possible, to devote some of this time to such work. The most promising problems at present are farm machinery, farm motors, irrigation, drainage, sewage disposal, water systems, etc.

Civil Engineering. The courses in Civil Engineering deal with the subjects of railroad engineering, hydraulic engineering, irrigation, water supply, sewerage, structural design, masonry construction, etc. Mining Engineering.—A student taking the Civil Engineering course with the following substitutions and electives is able, after graduation, to finish a course in Mining Engineering with about one year's additional study at some mining school. The substitutions are: Chemistry 5, 6 for Mechanical Engineering 1, 2; Mining Geology 26 for Mechanical Engineering 18. The electives are: Chemistry 21, 22 and 23; Geology 1, 15, 16 and 17; Field Geology 21 and 22, and Economic Geology 25. Conservation.—The Civil Engineering group, with the following substitutions and electives, is an appropriate preparation for work in connection with the conservation and development of the natural resources of a country. Substitutions: Field Geology 21 and Engineering Geology 25 for Applied Mechanics 3; Civil En-

gineering 18 and approved electives for Civil Engineering 16 and 15. Electives: To be approved by the Dean of the College of Engineering, on recommendation of the Professors of Civil Engineering and Economic Geology.

Electrical Engineering. The courses in Electrical Engineering include the theory and design of electrical machinery and the industrial applications of electricity to the transmission of power, lighting, street railways, and electro-metallurgy.

Mechanical Engineering. The courses in mechanical engineering deal with problems relating to the generation and transmission of power, and the design, construction, operation and testing of machinery of all kinds.

Six-Year Combined Academic-Engineering Course. It has been found that all the requirements of both the academic and the engineering courses may be easily met in six years, the degree of Bachelor of Arts being taken at the end of the fourth or fifth year and that of Bachelor of Science in one of the Engineering courses at the end of the sixth.

GRADUATE WORK IN ENGINEERING

Graduate work in engineering may be taken by any student who has had preparation in mathematics and science equivalent to that required of undergraduates in engineering, but candidates for the degree of Civil Engineer, Mechanical Engineer or Electrical Engineer, must, in addition, possess technical preparation equivalent to that required in the undergraduate courses. Graduate work consists of special laboratory investigations, of advanced engineering design, or of the collection and reduction of existing data relating to some specific engineering topic. So far as possible such work is arranged to suit the needs of the individual student,

ORDER OF COURSES IN FOUR-YEAR ENGINEERING GROUPS

To avoid conflict in the time schedules of students and to secure the proper sequence in studies, it is necessary that the engineering courses be taken in the following prescribed order. In no case should this order be departed from without consultation with the head of the engineering department chiefly concerned (See also "Adult Special Students").

FIRST YEAR OF ALL FOUR-YEAR ENGINEERING GROUPS

FIRST SEMESTER	Credit Hours
Mathematics (Algebra and Plane Trigonometry) 1.....	5
Physics (Mechanics of Solids and Fluids) 1.....	3
Rhetoric 1	2
Applied Mechanics (Mechanical Drawing) 1.....	3
Mechanical Engineering (Elementary Wood Work) 1.....	3
Military Drill	1
	<hr/> 17

SECOND SEMESTER

Mathematics (Analytical Geometry and Calculus) 2.....	5
Physics (Sound and Heat) 2.....	3
Rhetoric 2	2
Applied Mechanics (Descriptive Geometry) 2.....	3
*Mechanical Engineering (Pattern-Making and Foundry Work) 2.....	3
Military Drill	1
	<hr/> 17

CIVIL ENGINEERING GROUP**SECOND YEAR—FIRST SEMESTER**

Mathematics (Analytical Geometry and Calculus) 3.....	5
Physics (Electricity and Magnetism) 3.....	2
Chemistry (Qualitative Analysis) 1.....	2
Applied Mechanics (Mechanism) 3.....	3
Civil Engineering (Surveying) 5.....	2
Civil Engineering (Surveying Field Work) 5a.....	2
Military Drill	1
	<hr/> 17

* In the Agricultural Engineering group Animal Husbandry 5 (three hours) is taken in place of Mechanical Engineering 2.

SECOND YEAR—SECOND SEMESTER		Credit Hours
Mathematics (Analytical Geometry and Calculus) 4.....	4	5
Physics (Optics) 4.....	4	2
Chemistry (Qualitative Analysis) 2.....	2	2
Applied Mechanics (Theoretical and Applied) 14.....	14	3
Civil Engineering (Surveying) 6.....	6	2
Civil Engineering (Surveying Field Work) 6a.....	6a	2
Military Drill		1
		<hr/> 17

THIRD YEAR—FIRST SEMESTER

Electrical Engineering (Electric Power) 3.....	3	2
Applied Mechanics (Mechanics of Materials) 15.....	15	3
Applied Mechanics (Cement and Concrete Testing) 17.....	17	2
Civil Engineering (Hydraulics) 11.....	11	2
Chemistry (Technical and Metallurgical) 23.....	23	2
Electives		4
		<hr/> 15

THIRD YEAR—SECOND SEMESTER

Electrical Engineering (Electrical Laboratory) 8.....	8	2
Civil Engineering (Masonry Construction) 22.....	22	4
Applied Mechanics (Materials of Construction) 18.....	18	2
Civil Engineering (Framed Structures) 16.....	16	4
Electives		3
		<hr/> 15

FOURTH YEAR—FIRST SEMESTER

Civil Engineering (Framed Structures) 15.....	15	3
Civil Engineering (Hydraulic Engineering) 29.....	29	3
Electives		8
		<hr/> 14

FOURTH YEAR—SECOND SEMESTER

Mechanical Engineering (Experimental Mechanical Engineering) 18....	18	3
Mechanical Engineering (Steam Engineering) 10.....	10	4
Thesis or Electives		6
		<hr/> 13

THE COLLEGE OF ENGINEERING

219

AGRICULTURAL ENGINEERING GROUP

SECOND YEAR—FIRST SEMESTER

Credit
Hours

Mathematics (Analytical Geometry and Calculus) 3.....	5
Agronomy (Farm Management) 3.....	2
Physics (Electricity and Magnetism) 3.....	2
Applied Mechanics (Mechanism) 3a.....	3
Mechanical Engineering (Forge Work) 3.....	3
Drill AA1	1

16

SECOND YEAR—SECOND SEMESTER

Mathematics (Analytical Geometry and Calculus) 4.....	5
Horticulture (Ornamental Gardening) 6.....	2
Electrical Engineering (Electric Power) 3.....	2
Applied Mechanics (Theoretical and Applied) 14.....	3
Civil Engineering (Surveying) 5.....	2
Civil Engineering (Surveying Field Work) 5a.....	2
Drill AA2	1

17

THIRD YEAR—FIRST SEMESTER

Agricultural Engineering (Farm Machinery) 1.....	3
Geography (Engineering Geology) 25.....	2
Agronomy (Soils) 7.....	2
Agronomy (Soil Physics) 9.....	2
Chemistry (Qualitative Analysis) 1.....	2
Mechanical Engineering (Steam Engineering) 10.....	4

15

THIRD YEAR—SECOND SEMESTER

Agricultural Engineering (Farm Motors) 2.....	3
Dairy Husbandry 2.....	4
Mechanical Engineering (Experimental Engineering) 18.....	3
Chemistry (Qualitative Analysis) 2.....	2
Mechanical Engineering (Laboratory) 16.....	3
Electrical Engineering (Laboratory) 8.....	2

17

FOURTH YEAR—FIRST SEMESTER

Applied Mechanics (Cement and Concrete Testing) 17.....	2
Agricultural Engineering (Rural Architecture) 3.....	3
Civil Engineering (Hydraulics) 11.....	2
American History (Industrial History) 9 or Geography 1.....	2
Electives	4

13

FOURTH YEAR—SECOND SEMESTER

	Credit Hours
Agricultural Engineering (Farm Drainage and Rural Highways) 4.....	3
Civil Engineering (Irrigation Engineering) 12.....	3
American History (Industrial History) 10 or Geography 2.....	2
Thesis or Electives.....	5

13

ELECTRICAL ENGINEERING GROUP

SECOND YEAR—FIRST SEMESTER

Mathematics (Analytical Geometry and Calculus) 3.....	5
Physics (Electricity and Magnetism) 3.....	2
Chemistry (Qualitative Analysis) 1.....	2
Applied Mechanics (Mechanism) 3.....	4
Mechanical Engineering (Forging) 3.....	3
Military Drill	1

17

SECOND YEAR—SECOND SEMESTER

Mathematics (Analytical Geometry and Calculus) 4.....	5
Physics (Optics) 4.....	2
Chemistry (Qualitative Analysis) 2.....	2
Applied Mechanics (Theoretical and Applied) 14.....	3
Mechanical Engineering (Filing and Chipping) 4.....	2
Physics (Electricity and Magnetism) 5.....	2
Military Drill	1

17

THIRD YEAR—FIRST SEMESTER

Applied Mechanics (Machine Design) 5.....	3
Applied Mechanics (Mechanics of Materials) 15.....	3
Electrical Engineering (Dynamom) 1.....	2
Physics (Electrical Measurements) 6.....	3
Electives	4

15

THIRD YEAR—SECOND SEMESTER

Applied Mechanics (Machine Design) 6.....	3
Electrical Engineering (Dynamom) 2.....	2
Chemistry (Assaying or Technical) 23.....	2
Electrical Engineering (Electrical Laboratory) 8.....	2
Mechanical Engineering (Laboratory) 16.....	3
Mechanical Engineering (Steam Engineering) 10.....	4

16

THE COLLEGE OF ENGINEERING

221

FOURTH YEAR—FIRST SEMESTER

	Credit Hours
Electrical Engineering (Laboratory) 9.....	2
Electrical Engineering (Electric Lighting) 17 or	
Electrical Engineering (Telephone Engineering) 19.....	2
Electrical Engineering (Alternating Currents) 5.....	4
Civil Engineering (Surveying) 5.....	2
Civil Engineering (Surveying Field Work) 5a.....	2
Mechanical Engineering (Machine Tool Work) 5.....	2
	<hr/> 14

FOURTH YEAR—SECOND SEMESTER

Thesis or Electives	4
Electrical Engineering (Chemical Engineering) 18.....	2
Electrical Engineering (Electric Railways) 20.....	2
Electrical Engineering (Technical Reports) 16.....	1
Electives	2 or 4
	<hr/> 13

MECHANICAL ENGINEERING GROUP

SECOND YEAR—FIRST SEMESTER

Mathematics (Analytical Geometry and Calculus) 3.....	5
Physics (Electricity and Magnetism) 3.....	2
Chemistry (Qualitative Analysis) 1.....	2
Applied Mechanics (Mechanism) 3.....	4
Mechanical Engineering (Forge Work) 3.....	3
Military Drill	1
	<hr/> 17

SECOND YEAR—SECOND SEMESTER

Mathematics (Analytical Geometry and Calculus) 3.....	5
Physics (Optics) 4.....	2
Chemistry (Qualitative Analysis) 2.....	2
Applied Mechanics (Theoretical and Applied) 14.....	3
Mechanical Engineering (Filing and Chipping) 4.....	2
Military Drill	1
	<hr/> 15

THIRD YEAR—FIRST SEMESTER

Applied Mechanics (Machine Design) 5.....	3
Applied Mechanics (Mechanics of Materials) 15.....	3
Civil Engineering (Hydraulics) 11.....	2
Electrical Engineering (Electric Power) 3.....	2
Mechanical Engineering (Mechanical Engineering Laboratory) 15.....	2
Mechanical Engineering (Machine Tool Work) 5.....	2
	<hr/> 14

THIRD YEAR—SECOND SEMESTER		Credit Hours
Applied Mechanics (Machine Design) 6.....	3	
Mechanical Engineering (Experimental Mechanical Engineering) 18....	3	
Mechanical Engineering (Steam Engineering) 10.....	4	
Mechanical Engineering (Mechanical Engineering Laboratory) 16.....	3	
Mechanical Engineering (Mechanical Construction) 6.....	2	
Chemistry (Technical and Metallurgical) 23.....	2	

17

FOURTH YEAR—FIRST SEMESTER		
Mechanical Engineering (Valve Mechanism) 9.....	2	
Mechanical Engineering (Steam Boilers) 11.....	2	
Mechanical Engineering (Power Transmission) 29.....	2	
Mechanical Engineering (Hydraulic Motors) 31.....	3	
Mechanical Engineering (Mechanical Engineering Laboratory) 17.....	2	
Electives	3	

14

FOURTH YEAR—SECOND SEMESTER		
Mechanical Engineering (Thermodynamics) 12.....	4	
Applied Mechanics (Steam Engine Design) 8.....	2	
Electrical Engineering (Electrical Laboratory) 8.....	2	
Thesis or Electives	4	
Electives	2	

14

ORDER OF COURSES IN SIX-YEAR COMBINED ACADEMIC- ENGINEERING COURSE

	FIRST YEAR		Semester	
			1st	2d
Mathematics (Algebra and Plane Trigonometry) 1.....	5			
(Analytical Geometry and Calculus) 2.....		5		
The Classics or Modern Language.....	5	5		
Rhetoric 1, 2.....	2	2		
Applied Mechanics (Mechanical Drawing, Descriptive Geometry) 1, 2	3	3		
Applied Mechanics (Free Hand Drawing) 23.....	1	1		
Military Drill	1	1		

17 17

SECOND YEAR			
Mathematics (Analytical Geometry, Calculus) 3, 4.....	5	5	
Modern Language or English.....	5	5	
Physics (Mechanics, Sound and Heat) 1, 2.....	3	3	
Mechanical Engineering (Wood, Pattern and Foundry Work) 1, 2..	3	3	
Military Drill	1	1	

17 17

THE COLLEGE OF ENGINEERING

223

THIRD YEAR

	Semester	
	1st	2d
Applied Mechanics (Mechanism, Analytical Mechanics) 3, 14.....	4	3
History	3	3
Biology	3	3
Chemistry 1, 2.....	2	2
Physics (Electricity, Magnetism and Optics) 3, 4.....	2	2
Electives	2	3
	<hr/>	<hr/>
	16	16

FOURTH YEAR

	C. E.		E. E.		M. E.	
	1st	2d	1st	2d	1st	2d
Chemistry 23	2		2		2	
Civil Engineering (Surveying 5, 5a, 6, 6a)....	4	4				
English (Eng. Lit. 1, 2, or Rhet. 3, 4).....	3	3	3	3	3	3
App. Mech. (Mechanics of Materials, Materials of Construction)	3	2	3		3	
App. Mech. (Machine Design) 5, 6.....			3	3	3	3
Mech. Eng. (Forge, Filing and Chipping) 3, 4..	3	2	3	2	3	2
Mech. Eng. (Steam Engineering) 10.....				4		4
Electives		4	1	3	1	3
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	15	15	15	15	15	15

FIFTH YEAR

Philosophy (or Economics).....	3	3	3	3	3	3
Elec. Eng. (Elec. Power, Elec. Lab.) 3, 8.....	2	2		2	2	
App. Mech. (Cement Laboratory) 17.....	2					
Civil Engineering (Hydraulics, Masonry Construction) 11, 22	2	4			2	
Civ. Eng (Reinforced Concrete, Framed Structures) 17, 16.....	3	4				
Elec. Eng. (Dynamoes) 1, 2.....			2	2		
Physics (Electrical Measurements) 6, 10.....			3	2		
Civ. Eng. (Plane Surveying) 5.....			4			
Mech. Eng. (Power Transmission, Exp. Mech. Eng.) 29, 18.....					2	3
Mech. Eng. (Mech. Eng. Laboratory) 15, 16....				3	2	3
Mech. Eng. (Machine Tool Work, Mechanical Construction) 5, 6.....					2	2
Electives	3		3	3	2	4
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	15	15	15	15	15	15

	SIXTH YEAR		C. E.		E. E.		M. E.	
	1st	2d	1st	2d	1st	2d	1st	2d
Economics (or Philosophy if former has been taken)	3	3	3	3	3	3	3	3
Civ. Eng. (Framed Structures) 15.....	3							
Civ. Eng. (Hydraulic Engineering) 29.....	3							
Mech. Eng. (Experimental Mech. Eng.) 18.....		3						
Mech. Eng. (Steam Engineering) 10.....		4						
Elec. Eng. (Elec. Eng. Lab., Tech. Reports) 9, 16.				2	1			
Elec. Eng. (Elec. Light or Tel. Eng., Chem... Eng.) 17, 18.....				2	2			
Elec. Eng. (Alternating Currents, Elec. Railways) 5, 20				4	2			
Mech. Eng. (Valve Mechanism) 9.....							2	
Mech. Eng. (Steam Boilers, Thermodynamics) 11, 12							2	4
App. Mech. (Steam Engine Design) 8.....								2
Mech. Eng. (Hydraulic Motors) 31.....							3	
Mech. Eng. (Mechanical Engineering Laboratory) 17							2	
Elec. Eng. (Electrical Engineering Laboratory) 8								2
Thesis (Subject to be selected and approved at least one year before graduation) or Electives.....	2-5	2-4	3		2-4	2	2-3	
Electives	3-0	2-1			4-2		1-0	
	14	14	14	14	14	14	14	14

Total number of hours required..... 188

COURSES OF INSTRUCTION

AGRICULTURAL ENGINEERING

Professor Chase, Adjunct Professor Shedd

1. **Farm Machinery**—A part of former course 3. All lines of agricultural implements, tillage, grading, seeding, harvesting, threshing, pumping and fertilizing machinery. The uses of concrete, field work with implements and the traction dynamometer. One hour attendance. Two hours preparation. Six hours laboratory. Three hours credit. First semester.

Professor Chase, Adjunct Professor Shedd

2. **Farm Motors**—All classes of farm motors, the horse, windmill, steam boilers, steam engines, traction engines, gasoline engines, electric motors, and water motors, the measurement of power, economy tests, etc. Prerequisite: Mathematics 1, Physics 1 and 2. One hour attendance. Two hours preparation. Six hours laboratory. Three hours credit. Second semester.

Professor Chase, Adjunct Professor Shedd

3. **Rural Architecture**—The laying out of farms, the study of houses, barns, granaries, sheds, fences, equipment, water systems, sewage, etc. Prerequisite: Mathematics 1. One hour attendance. Two hours preparation. Six hours laboratory. Three hours credit. First semester.

Professor Chase

4. **Farm Drainage and Rural Highways**—A study of methods of drainage, estimates, laying out drainage systems, etc. A study of the highways of Nebraska, construction and reconstruction, haulage, and highway laws. The first half of the time of this course is given to drainage, and the second to highways. One hour attendance. Two hours preparation. Six hours laboratory. Three hours credit. Second semester.

Professor Chase, Adjunct Professor Shedd

7. **Research Work in Rural Architecture, Farm Drainage and Rural Highways**—The wide range of these subjects offers a great field of original investigations: drainage, water supplies, heating, fencing, building materials, sewage, road construction, etc. Prerequisite: Courses 3 and 4. From six to fifteen hours laboratory or reading. From two to five hours credit.

Professor Chase, Adjunct Professor Shedd

8. **Research Work in Farm Machinery, Farm Motors and Farm Equipment**—The large equipment of machinery in the department gives an excellent opportunity for testing both in the laboratory and in the field, standardizing, traction tests, calibration and economic tests of both farm machinery and farm motors. Prerequisite: Courses 1 and 2. From six to fifteen hours laboratory or reading. From two to five hours credit.

Professor Chase, Adjunct Professor Shedd

APPLIED MECHANICS AND MACHINE DESIGN

Head Professor Chatburn, Assistant Professor Slaymaker, Adjunct Professor Rasmusen and Mr. Mickey

PRIMARILY FOR UNDERGRADUATES

1. **Mechanical Drawing**—Nine hours drawing a week in lettering, free-hand sketching, geometrical construction and projection; working drawings of machine parts. Three hours credit. First semester.

Adjunct Professor Rasmusen

2. **Descriptive Geometry**—One hour attendance and six hours drawing a week, comprising, (1) text-book work on the solution of problems relating to geometrical magnitudes in space and their representations by drawings; (2) application of principles to working drawings. Three hours credit. Second semester.

Adjunct Professor Rasmusen

3. **Mechanism**—Two classroom periods and six hours drawing a week. Motions and forms of various mechanisms occurring in machines, manner of supporting and guiding the parts, independent of strength, and the design of gear teeth. Prerequisite: Courses 1 and 2. Four hours credit. First semester.

Assistant Professor Slaymaker

3a. **Mechanism**—Same as 3, but only three hours drawing. For civil engineering students. Three hours credit.

9. **Mechanical Drawing**—Substantially as in course 1. Required of first-year students in the School of Mechanic Arts. Six hours drawing a week. Two hours credit. First semester. Adjunct Professor Rasmusen

10. **Mechanical Drawing**—9 continued. Second semester.

11. **Kinematics**—Elementary course in mechanism. Required of second-year students in the School of Mechanic Arts. Six hours drawing a week. Two hours credit. First semester. Adjunct Professor Rasmusen

12. **Machine Design**—Elementary course like course 5, but less technical in its scope. Required of second-year students in the School of Mechanic Arts. Six hours drawing a week. Two hours credit. Second semester.

Assistant Professor Slaymaker

20. **Timber Physics**—An elementary course in applied mechanics with especial reference to the physical properties of timber. Illustrated in the laboratory by the testing and study of the strength of various timbers in tension, compression, cross-bending, shear, etc. For students in forestry. Prerequisite: Mathematics 1, Physics 1, and Botany 34. Two hours attendance. Three hours laboratory. Three hours credit. Second semester.

Head Professor Chatburn, Mr. Mickey

FOR UNDERGRADUATES AND GRADUATES

5. **Machine Design**—Elementary design of shafting and shaft couplings, pulleys and fly-wheels, power-screws, bearings and guides. Nine hours drawing a week. Prerequisite: Courses 1, 2, 3 and 14. Three hours credit. First semester.

Assistant Professor Slaymaker

6. Machine Design—Each student makes a number of complete designs, studies constructive details, makes calculations to determine strength of parts and estimates cost. Nine hours drawing a week. Prerequisite: Courses 1, 2, 3, and 5. Three hours credit. Second semester.

Assistant Professor Slaymaker

8. Steam-Engine Design—Working from an assumed indicator card, each student designs the principal dimensions of a high-speed automatic cut-off engine and the details of assigned parts. Reports upon each particular design. Six hours drawing a week. Prerequisite: Courses 1, 2, 3, and 5. Two hours credit. Second semester.

Assistant Professor Slaymaker

13. Stereotomy—Drawing and laboratory. Six hours drawing. Two hours credit. First and second semesters.

Head Professor Chatburn

14. Theoretical and Applied Mechanics—Prerequisite: Mathematics 3. Principles of kinematics, statics and kinetics. Three hours attendance. Three hours credit. First and second semesters.

Head Professor Chatburn, Adjunct Professor Rasmusen, Mr. Mickey

15. Mechanics of Materials—Resistance of materials, and mechanics of beams, columns, and shafts; laboratory experiments. Prerequisite: Course 14. Two hours attendance. Three hours laboratory. Three hours credit. First and second semesters.

Head Professor Chatburn, Adjunct Professor Rasmusen and Mr. Mickey

17. Cement and Concrete Testing—Classification, composition, manufacture, inspection, sampling and specifications. Practical testing of cement, mortars, concretes, and other materials of construction. Prerequisite: Course 14. One hour attendance. Three hours laboratory. Two hours credit. First and second semesters.

Mr. Mickey

18. Materials of Construction—Manufacture and general properties. Mechanical properties of materials as revealed by actual tests. Comparison of tests reported by other laboratories. Continuation of tests begun in course 17. One hour attendance. Three hours laboratory. Two hours credit. Second semester.

Mr. Mickey

22. Graphic Statics—Elements of graphic statics applied to engineering construction. Prerequisite: Course 14. One hour attendance. Six hours drawing. Three hours credit. Second semester.

Head Professor Chatburn

23. Applied Descriptive Geometry—Advanced course in mechanical drawing. Practical applications of the principles of descriptive geometry. Shades, shadows and perspective. Prerequisite: Courses 1 and 2. Three or six hours drawing a week. One or two hours credit.

Adjunct Professor Rasmusen

24. Free Hand Drawing—Designed for engineering students. Three hours drawing. One hour credit. First and second semesters.

Adjunct Professor Hayden

26. **Advanced Mechanics**—Open to students who have completed course 14 or Mathematics 4. Three hours attendance. Three hours credit. Second semester.
Head Professor Chatburn

CIVIL ENGINEERING

Head Professor Stout, Professor Chatburn, Assistant Professor Bridgman,
Adjunct Professor Boyd

FOR UNDERGRADUATES AND GRADUATES

5. **Surveying**—Prerequisite: Trigonometry. To be accompanied by course 5a. Two hours attendance. Two hours credit. First semester.

Assistant Professor Bridgman

5a. **Surveying Field Work**—To accompany course 5. Six hours field. Two hours credit. First semester.

Assistant Professor Bridgman

6. **Surveying**—5 continued. Second semester.

6a. **Surveying Field Work**—5a continued. Second semester.

8. **Railway Surveying**—Prerequisite: Courses 5 and 5a. Field and office methods employed in surveys for locating and constructing railroads. One hour attendance. Six hours field. Three hours credit. Second semester.

Assistant Professor Bridgman

9. **Railway Construction**—Prerequisite: Course 8 or equivalent experience in actual work. Principles and practice. Roadbed, tunnels, minor structures. Contractors' organization and equipment. Cost data and analysis; estimates. Two hours attendance. Two hours credit. First semester.

Assistant Professor Bridgman

10. **Economic Theory of Railway Location**—Open to fourth-year students. Scientific balancing of cost, receipts, and operating expenses. Two hours attendance. Two hours credit. Second semester.

Assistant Professor Bridgman

11. **Hydraulics**—Prerequisite: Calculus. Two hours attendance. Two hours credit. Both semesters.

Head Professor Stout

12. **Irrigation Engineering**—Prerequisite: Course 11. Grade, cross-section and capacity of canals; surveys; designs of structures; source of water supply; analysis of hydrographic data; return and seepage waters; irrigation by pumping; organization; legal and economic principles. Three hours attendance. Three hours credit. Second semester.

Head Professor Stout

13. **Water Supply of Cities**—Prerequisite: Course 11. Three hours attendance. Three hours credit. First semester.

Adjunct Professor Boyd

14. **Cleaning and Sewerage of Cities**—Prerequisite: Course 11. Three hours attendance. Three hours credit. Second semester.

Adjunct Professor Boyd

15. **Design of Framed Structures**—Prerequisite: Course 16. Three hours attendance. Three hours credit. First semester.

Adjunct Professor Boyd

16. **Stresses in Framed Structures**—Prerequisite: Applied Mechanics. 15. Four hours attendance. Four hours credit. Second semester.

Adjunct Professor Boyd

17. **Reinforced Concrete**—Prerequisite: Applied Mechanics 15. Theory and practice in design and construction of concrete reinforced by steel. Three hours attendance. Three hours credit. First semester.

Adjunct Professor Boyd

18. **Structural Design**—Prerequisite: Applied Mechanics 15. Adapted to the needs of students in Mechanical and Electrical Engineering. Two hours attendance. Two hours credit. Second semester.

Adjunct Professor Boyd

20. **Advanced Theory of Structures**—Prerequisite: Course 15. Arches, cantilevers, continuous girders, statically indeterminate stresses. Two hours attendance. Two hours credit. Second semester.

Adjunct Professor Boyd

21. **Roads, Streets and Pavements**—Lectures, assigned readings, and reports. Two hours attendance. Two hours credit. First semester.

Professor Chatburn

22. **Masonry Construction**—Prerequisite: Applied Mechanics 14. Four hours attendance. Four hours credit. Second semester.

Head Professor Stout

29. **Hydraulic Engineering**—Prerequisite: Course 11. Hydraulic development for purposes of drainage, power, and transportation. Flood protection. Collection and analysis of hydrographic data and the principles involved in the design of reservoirs, canals, levees, and structures. Three hours attendance. Three hours credit. First semester.

Head Professor Stout

30. **Exploratory Surveying**—Designed for students of forestry. Prerequisite: Course 5. One hour attendance. Three hours field work. Two hours credit. Second semester.

Assistant Professor Bridgman

ELECTRICAL ENGINEERING

Professor Morse, Adjunct Professor Hollister

PRIMARILY FOR UNDERGRADUATES

1. **Dynamos**—Theory and practice of direct current machinery. Two hours attendance. Two hours credit. First semester. Professor Morse

2. **Dynamos**—1 continued. Second semester.

3. **Electric Power**—Elementary principles. Industrial applications. For students in civil and mechanical engineering. Two hours attendance. Two hours credit. First and second semesters. Adjunct Professor Hollister

5. **Alternating Currents**—Theory and practice of alternating current machinery. Prerequisite: Courses 1 and 2. Four hours attendance. Four hours credit. First semester. Professor Morse

6. **Alternating Currents**—5 continued. Two hours classroom attendance. Six hours laboratory. Four hours credit. Second semester. Professor Morse, Adjunct Professor Hollister

8. **Electrical Laboratory**—Practice in operating and testing dynamos, motors, transformers, and subsidiary apparatus. Six hours laboratory. Two hours credit. First and second semesters. Adjunct Professor Hollister

9. **Electrical Laboratory**—8 continued. Six hours laboratory. Two hours credit. First semester. Adjunct Professor Hollister

10. **Thesis**—Graduating thesis on approved subject demanding knowledge of engineering. Four hours credit.

Professor Morse, Adjunct Professor Hollister

16. **Technical Reports**—One hour attendance. One hour credit. Second semester. Professor Morse

18. **Electro-Chemical Engineering**—Batteries, electric furnaces, production of aluminum and other metals, refining and deposition of metals and electrolysis. Two hours attendance. Two hours credit. Second semester. Professor Morse

20. **Electric Railways**—Construction and operation. Following courses 1 and 2. Two hours attendance. Two hours credit. Second semester. Professor Morse

17. **Electric Lighting**—Distributing systems, lamps, electric and other, photometry, effective lighting, rules for wiring, lighting stations. Prerequisite: Courses 1 and 2. Two hours attendance. Two hours credit. First semester. Professor Morse

19. **Telephone Engineering**—Line construction, telegraph and telephone instruments, switchboards and circuits. Two hours attendance. Two hours credit. First semester. Adjunct Professor Hollister

MECHANICAL ENGINEERING

Head Professor Richards, Assistant Professor Dean, Adjunct Professor Scipio, Mr. Payne, Adjunct Professor Bunting, Mr. Pearson

PRIMARILY FOR UNDERGRADUATES

1. **Wood Work**—Bench work in wood and wood-turning; lectures on wood-working tools and machinery and the properties of timber. One hour attendance. Eight hours laboratory work. Three hours credit. First semester. Adjunct Professor Bunting

2. **Pattern-Making and Foundry Practice**—Construction of patterns and core boxes; molding and casting; lectures on pattern-making, foundry work and the metallurgy of cast-iron. Prerequisite: Course 1. One hour

attendance. Eight hours laboratory work. Three hours credit. Second semester. Adjunct Professor Bunting, Mr. Pearson

3. **Iron and Steel Forging**—Practice in forging, welding, tempering; lectures on forging tools and machinery, and metallurgy of iron and steel. Repeated during the second semester, if fifteen students desire it. One hour attendance. Eight hours laboratory work. Three hours credit. First semester. Mr. Pearson

4. **Filing, Chipping, and Scraping**—Exercises in the use of the cold-chisel, file and scraper. Six hours laboratory work. Two hours credit. Second semester. Mr. Payne

5. **Machine Work in Metals**—Exercises in the use of the engine lathe, planer, shaper, milling machine; machine construction; lectures on machine tools. One hour attendance. Five hours laboratory work. Two hours credit. First semester. Mr. Payne

6. **Machine Work in Metals**—5 continued. Six hours laboratory work. Two hours credit. Second semester. Mr. Payne

FOR GRADUATES AND UNDERGRADUATES

9. **Valve Mechanism**—Analytical and graphical methods in the design of steam engine valves, valve gears and link motions. Prerequisite: Course 10. One hour attendance. Three hours drawing. Two hours credit. First semester. Adjunct Professor Scipio

10. **Steam Engineering**—Forms and mechanism of steam machinery. Economy of operation and adaptability to a given service; elementary theory of heat engines. Differential and integral calculus and applied mechanics required. Four hours attendance. Four hours credit. First and second semesters. Head Professor Richards, Adjunct Professor Scipio

11. **Steam Boilers**—Design and construction of steam boilers, furnaces, settings; their safety and economy of operation. Prerequisite: Course 10. Two hours attendance, occasional drawing. Two hours credit. First semester. Adjunct Professor Scipio

12. **Thermodynamics**—Advanced study of the thermodynamics of gases and vapors, the applications of the science to heat engines, injectors, refrigerating machinery, steam turbines, etc. Prerequisite: Course 10. Four hours attendance. Four hours credit. Second semester. Head Professor Richards

15. **Mechanical Engineering Laboratory**—Proximate analyses of coal; determination of heating value of coal, gas, and oil; the testing of lubricants and friction. Six hours laboratory. Two hours credit. First semester. Assistant Professor Dean, Adjunct Professor Scipio

16. **Mechanical Engineering Laboratory**—Calibration of instruments, indicator practice, valve setting, efficiency tests of engines and boilers, injectors, pumps, gas engines. The measurement of power. Nine hours laboratory. Three hours credit. Second semester. Assistant Professor Dean, Adjunct Professor Scipio

17. Mechanical Engineering Laboratory—16 continued. Six hours laboratory. Two hours credit. First semester.

18. Experimental Mechanical Engineering—Lectures and recitations on the methods of engineering testing. Three hours attendance. Three hours credit. First and second semesters. Assistant Professor Dean

20. Heating and Ventilation—Theory and design of the various systems for heating and ventilating buildings, including hot air, hot water, steam and the plenum and vacuum systems, and central station heating. Prerequisite: Course 10. Two hours attendance. Two hours credit. Second semester. Adjunct Professor Scipio

25. Internal Combustion Engines—Theory and design of gas, gasoline and oil engines. Prerequisite: Course 10. Occasional drawing. Three hours attendance. Three hours credit. First semester.

Head Professor Richards

26. Air Brakes—Construction and operation of air brakes. Occasional laboratory work. Two hours attendance. Two hours credit. Second semester. Assistant Professor Dean

29. Power Transmission—Transmission of power by shafting, belts, ropes, water, compressed air, gas. Two hours attendance. Two hours credit. First semester. Head Professor Richards

31. Hydraulic Motors and Pumping Machinery—Theory of water-wheels, turbines and pressure engines and pumps. Three hours attendance. Three hours credit. First semester. Head Professor Richards

PRIMARILY FOR GRADUATES

24. Advanced Engineering Design—The student is required to design some complete engineering project—for example, a power plant, including building, chimney, engine and boiler installation, steam mains, etc.—and to formulate specifications for it. Occasional lectures. Six or nine hours drawing. Two or three hours credit. Second semester.

Head Professor Richards

27. Advanced Laboratory Investigations—Special investigations of problems relating to steam engines and boilers, gas engines, etc. Nine or twelve hours laboratory. Three or four hours credit. First semester.

Head Professor Richards, Assistant Professor Dean

28. Advanced Laboratory Investigations—27 continued. Nine or twelve hours laboratory. Three or four hours credit. Second semester.

Head Professor Richards, Assistant Professor Dean

AMERICAN HISTORY

[American History 9. **Industrial History of the United States**—A non technical study of the rise and development of the leading American industries, especially since 1783. Two hours attendance. Two hours credit. First semester. Associate Professor Persinger]

Not given in 1910-1911. Given in 1911-1912.

[American History 10. **Public Lands Policy and Laws of the United States since 1789**—Introduced by brief study of the "westward movement"; mainly a tracing of national laws and policy in regard to agricultural, mineral, grazing, forest, irrigated and other public lands; some attention paid to development of state policies in regard to public lands. Intended primarily for those who will have practical use for information derived from the course. Two hours attendance. Two hours credit. Second semester. Associate Professor Persinger]

Not given in 1910-1911. Given in 1911-1912.

CHEMISTRY

Professor Dales, Adjunct Professor Borrowman

Analytical Chemistry

1. **Qualitative Analysis**—Elementary course required of technical and scientific students. Prerequisite: A and B, D, or 2 credit points. Two hours attendance. Four hours laboratory. Two hours credit. First semester.

Adjunct Professor Borrowman

2. **Qualitative Analysis**—1 continued. An introduction to quantitative analysis is included. Elementary course required of technical and scientific students. Prerequisite: Course 1. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

Adjunct Professor Borrowman

1 and 2 (combined), **Qualitative Analysis**—Prerequisite: Same as course 1. Four hours attendance. Eight hours laboratory. Four hours credit. Second semester.

Professor Dales

Technical and Metallurgical Chemistry

23. **Engineering Chemistry**—Analysis of fuels, gases, boiler waters, Portland cement and iron. Prerequisite: Courses 1 and 2. Two hours lecture. Four hours laboratory. Two hours credit. First and second semesters.

Adjunct Professor Borrowman

GEOGRAPHY AND ECONOMIC GEOLOGY

Professor Condra, Adjunct Professor Bengtson

1. **Physical Geography of the Land**—An introductory lecture and laboratory course upon practical physiography. Some of the topics discussed are: Principles of geography; the common minerals, rocks and structures and relief features; weathering of minerals and rocks; rivers and valleys; plains and plateaus; mountains; volcanos and earthquakes; snow fields and glaciers; the distribution of heat belts, rainfall and life regions. An attempt is made to describe the leading physiographic processes, to account for the land and water forms, and to show their relation to life and industry. The lectures are fully illustrated by lantern, maps, models and specimens. Conferences arranged for teachers. Students carrying this

course are advised to take also one or both of the related courses, 7 and 9. Two hours attendance. Four hours laboratory, library and preparations. Two hours credit. First semester.

Professor Condra, Adjunct Professor Bengtson

2. Geography of North America—A summary study of the political divisions, relief, drainage slopes, coast lines, climate, evolution and structure of the continent, and a fuller treatment of each of the seventeen topographic regions; the structure, physiographic history, topography and drainage, resources and industries, and geographic control of the settlement and development of each region. Attention is given to the literature of the subject. The course is suited to all students who wish a knowledge of the geography of our country. The Great Plains Region is emphasized. Lectures are illustrated. The correlating course is number 8. Two hours attendance. Four hours library, laboratory and preparations. Two hours credit. Second semester.

Professor Condra, Adjunct Professor Bengtson

25. Engineering Geology—The properties, origin, occurrence, and use of certain rock-forming minerals; types of structure; periods and systems; the geology of mineral fuels, water supplies, sand and gravel, building stone, cement materials, road materials, and clay. The various materials are studied in the laboratory. Examination and reports on quarries, clay pits and sand deposits; lectures illustrated by lantern, specimens and maps. Two hours attendance. Four hours library, laboratory and field. First semester. Two hours credit.

Professor Condra, Adjunct Professor Bengtson

The College of Agriculture

CONTENTS

	PAGE
Officers of Administration and Instruction.....	236-239
Purpose of the College of Agriculture.....	240
Groups of Study.....	240
Facilities for Instruction.....	241
Admission to the College of Agriculture.....	241-243
Fees and Expenses.....	244
Requirements for Graduation.....	245
Order of Courses in the Groups of Study.....	247-250
Courses of Instruction in the College of Agriculture.....	251-279
The United States Agricultural Experiment Station for Nebraska.....	282
Governing Board, Officers and Working Staff.....	282
The Central Experiment Station.....	284
The Experimental Substations.....	285
Experiment Station Bulletins.....	286

OFFICERS OF ADMINISTRATION AND INSTRUCTION

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

JAMES STUART DALES, M. Ph., Secretary of the Board of Regents and Treasurer of the University.

PHILIP JOHN HARRISON, A. B., Registrar and University Publisher.

EDGAR ALBERT BURNETT, B. Sc., Dean of the College of Agriculture and Director of Experiment Stations. Agricultural Hall 203.

CHARLES EDWIN BESSEY, Ph. D., LL. D., Head Professor of Botany and Head Dean of the University.

LAWRENCE BRUNER, B. Sc., Head Professor of Entomology and Acting State Entomologist.

*ALBERT THEODORE PETERS, D. V. M., Head Professor of Animal Pathology.

ALBERT EUGENE DAVISSON, A. B., Head Professor of Agricultural Education.

HOWARD REMUS SMITH, B. Sc., Head Professor of Animal Husbandry. Agricultural Hall 103.

ARCHIBALD LOUIS HAECKER, B. Sc. A., Head Professor of Dairy Husbandry. Dairy Hall.

FREDERICK JAMES ALWAY, Ph. D., Head Professor of Agricultural Chemistry. Experiment Station Hall.

ROLLINS ADAMS EMERSON, A. M., Professor of Horticulture. Horticultural Hall.

ROSA BOUTON, A. M., Professor of Home Economics. Home Economics Hall.

FRANK J. PHILLIPS, M. S. F., Professor of Forestry. Nebraska Hall 105.

EDWIN MEAD WILCOX, Ph. D., Professor of Agricultural Botany. Agricultural Hall 307.

LEON WILSON CHASE, B. Sc in M. E., Professor of Agricultural Engineering. Machinery Hall.

EDWARD GERRARD MONTGOMERY, A. M., Professor of Experimental Agronomy. Experiment Station Hall.

* Resigned January 1, 1910.

CAPT. HALSEY E. YATES, 17th Inf., U. S. A., Commandant of Cadets and Professor of Military Science. Grant Memorial Hall.

WILLIAM PATTON SNYDER, A. B., M. S., Superintendent of North Platte Experiment Substation.

CHARLES WILLIAM PUGSLEY, B. Sc., Professor of Agronomy and Farm Management. Experiment Station Hall.

GEORGE EVERT CONDRA, Ph. D., Professor of Geography and Economic Geology. University Hall 7.

JAMES HARRISON GAIN, M. D. C., Professor of Animal Pathology. Veterinary Hall.

VAL KEYSER, B. Sc., Superintendent of Farmers' Institutes. Agricultural Hall 205.

*ANNETTE ELIZABETH PHILBRICK, B. Sc., Associate Professor of Home Economics.

HARRIET FOLGER, B. Sc., Associate Professor in Home Economics. Home Economics Hall.

JULIA EMMELINE LOUGHRIDGE, A. B., Assistant Principal of the School of Agriculture and Adjunct Professor of Mathematics. Agricultural Hall 204.

LAZELLE BRANTLEY STURDEVANT, A. M., M. D., Assistant Professor of Animal Pathology. Veterinary Hall.

MYRON HARMON SWENK, A. M., Assistant Professor of Entomology and Assistant State Entomologist. Experiment Station Hall.

ELLIS RAIL, B. Sc. A., Assistant Professor of Animal Husbandry. Agricultural Hall 104.

VERNON VILAS WESTGATE, A. M., Adjunct Professor of Horticulture. Horticultural Hall.

PERCY BONSFIELD BARKER, A. B., Adjunct Professor of Agronomy (Soils). Experiment Station Hall.

*ROBERT CHILDERS ASHBY, B. Sc., Adjunct Professor of Animal Husbandry.

ROBERT FRANCIS HOWARD, B. S. in Agr., Adjunct Professor of Horticulture. Horticultural Hall.

ROBERT SAMUEL TRUMBULL, A. M., Adjunct Professor of Agricultural Chemistry. Experiment Station Hall.

* Resigned.

WILLIAM LUTHER FRENCH, B.Sc., Adjunct Professor of Dairy Husbandry. Dairy Hall.

G. HERBERT COONS, A.B., Adjunct Professor of Agricultural Botany. Agricultural Hall 307.

FLORA BULLOCK, A.M., Adjunct Professor in English. Agricultural Hall 109.

ERWIN HOPT, B.Sc., Adjunct Professor in Agronomy (Crops). Experiment Station Hall.

OLENUS LEE SPONSLER, A.B., Adjunct Professor in Botany and Forestry. Nebraska Hall 105.

CLAUDE KEDZIE SHEDD, B.Sc., Adjunct Professor of Agricultural Engineering. Machinery Hall.

ALVA ALDUS BAER, Instructor in Wood Work. Machinery Hall.

*MILDRED POST, A.B., Instructor in Home Economics.

†GRACE GOLDENA DENNY, A.B., Instructor in Home Economics.

ELLA BRADFORD HARPER, A.B., Instructor in Home Economics. Home Economics Hall.

ORPHA NESBITT, B.Sc., Instructor in Home Economics. Home Economics Hall.

OSCAR WARNER SJOGREN, Instructor in Forge Work.

GEORGE CROCKER, B.Sc., Instructor in the School of Agriculture. Agricultural Hall.

MABEL HEDGES, A.B., Assistant in Home Economics. Home Economics Hall.

GLAIDETH DENNY, A.B., Assistant in German and History. Agricultural Hall 204.

EDNA CLARA NOBLE, B.L., Library Assistant. Agricultural Hall.

*MRS. JENNIE CHAMBERLAIN HOSFORD, A.B., House Supervisor. Home Economics Hall.

SAMUEL McKELVIE, Lecturer in Swine Judging. Agricultural Hall 103.

KARL AUGUST ULMAN, B.Sc., Instructor in Cheesemaking. Dairy Hall.

CLYDE W. FILLEY, Scholar in Agronomy and Farm Management.

MARTIN SIMON JUSSEL, B.Sc., Assistant in Experimental Agronomy.

* Resigned.

† Leave of absence for one year.

MRS. VADA CLEGG VENNUM, Assistant Registrar, School of Agriculture. Agricultural Hall 207.

Standing Committees of the Faculty

Course of Study—Professor Davisson (chairman), Professors Bouton, Bruner, Chase, Phillips, Pugsley, Smith, Wilcox, and Mrs. Vennum (secretary).

Farmers' Institutes—The Dean (chairman), Professors Haecker, Pugsley, Keyser (secretary).

Schedule of Classes—Professor Smith (chairman), Professors Chase, Pugsley, the Registrar.

PURPOSE OF THE COLLEGE OF AGRICULTURE

The College of Agriculture was established by an act of the legislature of 1909, reorganizing the colleges within the University. The purpose of this college is (1) to provide thorough instruction in the technical agricultural sciences and (2) to aid in the promotion of agriculture through its secondary School of Agriculture, its Experiment Stations, and its Farmers' Institute work.

GROUPS OF STUDY

The **Agricultural Group** meets the needs of those students who desire to make practical application of their education in the management of land or who wish to prepare themselves for the pursuit of scientific investigation along some line in agriculture, such as agricultural botany, agricultural chemistry, agronomy, animal husbandry, animal pathology, dairy husbandry, entomology, forestry, horticulture, and other technical subjects related thereto. This group should also appeal to those who desire to prepare themselves for teaching in high schools or in agricultural colleges and who desire special agricultural training to meet the demands of the schools requiring that instruction be given in agriculture. As a course in general education for students who expect to follow business pursuits or to continue still further the study of some technical agricultural subject, this course is offered as a suitable foundation. To those who desire an education which will put them in touch with the leading industrial activities of the state, and fit them to be leaders on the farm, the Agricultural course will also prove most efficient.

Forestry Group. This group is designed to guide the student in the selection of courses and is aimed to prepare men for either general or technical work in forestry. The sequence of the general or technical work in forestry. The sequence of the courses during the first three years is arranged to give a basis for a broad education and at the same time to give a good scientific foundation leading to the more technical courses in forestry. While the group is intended primarily for foresters, many of the courses may be taken by students in general collegiate work or by students specializing in other lines, who desire a knowledge of some particular line of forestry.

The **Home Economics Group** leads to the degree of Bachelor of Science. Besides those subjects which have to do especially with the home, it in-

cludes studies in science, language, history, and other branches affording a good general education while giving special efficiency in household arts and sciences.* This department is housed in Home Economics Hall, situated on the University Farm. The hall is a three-story brick building, equipped to provide practical instruction in cooking, sewing, and general house work.

FACILITIES FOR INSTRUCTION

To illustrate properly the work in the various departments in agriculture, the college is provided with a farm of 320 acres which is used for experimental purposes and to illustrate methods in farm practice, showing the effect of rotations and methods of treatment on the physical and chemical properties of the soil and on its productiveness. The department of Horticulture maintains an extensive orchard and garden for demonstrating horticultural methods and practices. The departments of Animal Husbandry and Dairy Husbandry keep extensive herds for instruction in types of farm animals. The agricultural plant, aside from lands, consists of eight main buildings and several barns and accessory buildings to complete the work and efficiency of the plant. Agricultural Hall is used for administration, library, and laboratories in Agricultural Botany. Experiment Station Hall furnishes laboratories for Soils, Entomology, and Agricultural Chemistry. The Judging Pavilion furnishes stock judging laboratories and grain judging laboratories, with exceptional facilities for work. The Agricultural Engineering building furnishes laboratories in forge work, wood work, and farm machinery. Horticultural Hall is devoted to laboratories and class rooms for horticultural instruction. Dairy Hall furnishes laboratories for instruction in buttermaking and cheesemaking, supplemented by a herd of exceptional efficiency to demonstrate the best dairy practice. Home Economics Hall furnishes laboratories for instruction in cooking and in household art. All of the technical departments giving instruction have excellent laboratory facilities and depend upon the laboratory method to give definiteness and efficiency to their instruction.

ADMISSION TO THE COLLEGE OF AGRICULTURE†

Entrance Credits. For admission to the freshman class in the College of Agriculture the candidate must present 30 entrance credits or "credit

* For the University Teachers' Certificate in Home Economics, see department of Home Economics under "Courses of Instruction." Also, page 246.

† See page 29 for table of simplified entrance requirements effective September 1, 1911.

points;”* that is, a total of 150 recitation hours. Conditional admission is permitted on a minimum of 24 points, or 120 recitation hours; but a student admitted conditionally must remove the conditions at the earliest possible opportunity, as a degree will not be granted until all such conditions are removed.

Required Subjects (17 points). Of the 30 points required for admission, 17 must be presented from the following subjects in the amount indicated; the time element is essential:

Algebra (through Logarithms), 1½ years, 5 hours a week.....	3
Rhetoric and Literature, 2 years, 5 hours a week.....	4
Geometry (plane and solid), 1½ years, 5 hours a week.....	3
Language (French, German, Greek, Latin—not more than 2 of these subjects), 2 years, 5 hours a week.....	4
Natural Science (Botany or Zoology), ½ year, 5 hours a week.....	1
Physical Science (Chemistry or Physics), 1 year, 5 hours a week.....	2

Optional Subjects (13 points). In addition to the above required subjects, for which no substitutes are accepted, candidates for admission must present 13 points from the following optional subjects:

Agriculture, 5 hours a week.....	1
†Rhetoric and Literature, 1 year, 5 hours a week.....	2
History (general or American), 3 years, 5 hours a week.....	1 to 6
Language (ancient or modern), 3 years, 5 hours a week.....	2 to 6
Manual Training, 1 year, 5 hours a week.....	1 or 2
Mechanical Drawing, ½ year, 5 hours a week.....	1
Natural Science (Zoology or Botany), 1 year, 5 hours a week.....	1 or 2
Normal Training	1
Physical Science (Physics or Chemistry), 1 year, 5 hours a week....	1 or 2
‡Senior Reviews	1
Trigonometry (plane), ½ year, 5 hours a week.....	1
Astronomy, 1.....	} Not more than 4 accepted..... 4
Bookkeeping, 1.....	
Civics, 1.....	
Geology, 1.....	
Physical Geography, 1.....	
Physiology and Hygiene, 1..	
Political Economy, 1.....	

* An “entrance credit” or “credit point” means the work of a class holding five recitations a week, of 40 to 50 minutes each, for at least eighteen weeks. In laboratory courses, a “credit point” means three recitations and two double periods of laboratory work (under the supervision of an instructor) each week for at least eighteen weeks.

† Four optional points are allowed only to schools named by the Accredited Schools Committee.

‡ Credit granted only to Normal Training High Schools.

Entrance Without Examination. All students who have completed the course in the School of Agriculture are admitted to the College of Agriculture without examination.* Young women graduating in Home Economics from the School of Agriculture are admitted to the Home Economics group of the College of Agriculture. An applicant presenting a certificate from an accredited school, academy, or high school is admitted without examination to any classes for which he is fully prepared. Any candidate for admission bringing credentials from a high school, college, or university not included in the list of schools accredited to this University must, upon making application, present his credentials to the Registrar and be prepared to take such examinations as are prescribed. A student desiring to ascertain whether or not he can be admitted to the first year without examination should apply to the Registrar for blank credential slips. When these are properly filled out and returned, he will be informed at once whether his credentials are or are not acceptable.

Adult Special Students. Students not candidates for degrees may register in the College of Agriculture without conforming to the entrance requirements. The admission of adult special students is permitted after consultation with and upon the recommendation of the Dean. Such students must pay all necessary fees. Upon fulfilling the entrance requirements, adult special students may register as regular students, and become candidates for the degree.

Registration. Registration in the College of Agriculture takes place during the first five days of each semester, from 9 a. m. Tuesday to 5 p. m. Saturday. To promote prompt registration, a registration fee of \$3.00 is charged a student who, without good reason, fails to register within the days set aside for this purpose.† A like fee is charged for the re-registration when made necessary by the student's fault; any change whatever in a registration once made is regarded as a re-registration. A student changing from one college to another must pay a new matriculation fee of \$5.00, and no student is allowed to make such a change without written permission to the Registrar from the Dean of each college concerned.

* Beginning with September, 1911, one year of language will be required from graduates of the School of Agriculture for admission to the College of Agriculture.

† Properly prepared students who are unable to enter at the beginning of the year are admitted later; but all students who can possibly do so are urged to be present at the beginning of the year, as students entering later are at much disadvantage, and cannot expect to finish the course within the minimum limit except by taking work in the Summer Session.

No student is allowed to change his group or drop any study for which he has been regularly registered without written permission from the dean of the college. No regular student is permitted to register for less than twelve (12) hours nor more than eighteen (18) hours a semester without the Dean's permission. Students cannot attend classes for which they are not registered, and credit is not granted for studies pursued without registration. Any change in a student's residence must be immediately reported to the Registrar.

FEES AND EXPENSES

Fees. All fees and charges are payable in advance to the Treasurer of the University. No part of the fees can be refunded to a student who leaves after the beginning of the fourth week of a semester or session. Any refunds should be called for at the time of withdrawal from a class or from the University. The schedule of fees in the College of Agriculture is as follows:

Matriculation (paid only on first registration).....	\$5 00
Being a statutory fee, this cannot be refunded except when collected through error.	
Non-resident (charged to each person not a resident of the state), each semester	15 00
Incidental, each semester	3 00
Library (charged to each student who does not pay a laboratory fee), each semester.....	1 00
Special registration (for late registration or re-registration).....	3 00
Special examination, each course.....	1 00
Diploma, first degree.....	5 00
Diploma, advanced degree.....	10 00
Additional Diploma fee if degree taken <i>in absentia</i>	10 00
Certificate	1 00

LABORATORY FEES

Agricultural Chemistry—Course 1, \$3; 2, \$4; 3, \$1; 4, \$2.
 Agricultural Engineering—Course 1, \$3; 2, \$4; 3, \$1; 4, \$2.
 Botany—Courses 1, 2, 21, 22, 25, 35, 36, 37, \$2; 13, 14, \$1; 6, 19, 20, \$3.
 Chemistry—Courses 1, 2, 3, 4, \$5.
 Civil Engineering—Courses 5, 30, \$3.
 Entomology—Courses 1, 2, \$2.
 Geography—Courses 1, 2, \$1.
 Geology—Course 1, \$1.
 Home Economics—Courses 1, 2, 7, 8, 11, 12, 15, 16, \$2; courses 3, 4, \$3; courses 5, 6, \$5.
 Physics—Courses 1a, 2a, \$1.
 Physiology—Courses 1, 2, \$5.

Expenses. In Lincoln, board and lodging may be secured in private families for from \$3.50 to \$5 a week. There are also numerous student clubs. The Young Men's Christian Association and the Young Women's Christian Association of the University keep lists of boarding places. The Young Men's Christian Association of the University also maintains under the direction of the Registrar an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

REQUIREMENTS FOR GRADUATION

University Credits. For the degree of Bachelor of Science, 125 University "credit hours" are required.* No student is recommended for a degree who is not within 18 hours of this requirement at the beginning of his last semester. All graduates of the School of Agriculture are admitted to the College of Agriculture without examination. No such graduate shall be permitted to take a degree from the College of Agriculture who does not have at least the equivalent of four credit points in Language, two points of which may be accepted as entrance credit.

Required Subjects. Each candidate for the degree of Bachelor of Science in the College of Agriculture must complete the following subjects:

	Hours
Modern Language (French or German	10
Biology (Botany, Entomology or Zoology).....	10
Physical Science (Chemistry or Physics).....	8
Biological, Physical, or exact Science.....	10
English (Rhetoric 1, 2 and 6 hours of Rhetoric or English Literature)..	10
History, Political Science, Philosophy or Sociology.....	6
Military Science for men or Physical Training for women.....	4

Total, 58

Science Requirement. No student will be granted a degree from the College of Agriculture who has completed less than 60 hours of science, which may include Agriculture or Home Economics. Students selecting the Agricultural group will be required to complete 40 hours of agricultural subjects, to be taken in not less than three departments. Students selecting the Forestry group will be required to complete 40 hours of Botany and Forestry. Students selecting the Home Economics group will be required to complete 30 hours of Home Economics.

* A course receives one "credit hour" for each one-hour recitation or lecture and two-hour preparation or laboratory period it demands for each of the eighteen weeks of a semester.

Major Subjects. Not later than the beginning of his second year each student in the College of Agriculture must select some one department of the college in which he will take a major of not less than 16 hours nor more than 35 hours.

State Teachers' Certificate. Graduates of the College of Agriculture having taken a major in agriculture or the Home Economics group (including Courses 13 and 14), and having taken in addition thereto eight hours in Professional Education and who have devoted a half-year to the observation and practice of teaching, shall receive the First Grade State Teachers' Certificate, which qualifies them as supervisors and teachers in their chosen subject in the public schools of Nebraska.

Advisers. At the time of his first registration each Freshman student in the College of Agriculture is assigned by the Dean to some member of the Faculty, who becomes his adviser during the Freshman year. When, at the beginning of his second year, a major subject is chosen, the head of the department in which the major work is taken becomes the adviser of the student until the time of his graduation. The dean of the college constitutes a head adviser for each student within the college. The adviser to women is a special adviser to all women students in the college.

Absence or Withdrawal. A leave of absence for a short time may be granted a student by the Dean. This leave is merely a justification for absence and not an excuse from any work. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Registrar grants him permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

ORDER OF COURSES IN THE GROUPS OF STUDY

THE AGRICULTURAL GROUP

FIRST YEAR	1st Semester	2d Semester
	Hours	Hours
*Agricultural Subjects	3	3
Biology (Botany,† Entomology or Zoology†) (A and S)	3	3
Chemistry 1, 2 (A and S)†.....	2	2
French or German (A and S)†.....	5	5
Rhetoric 1, 2 (A and S)†.....	2	2
Military Drill	1	1
	16	16
SECOND YEAR		
*Agricultural Subjects	3	3
French or German (if two points Language have not been offered for entrance), or Natural, Physical or Exact Science	5	5
Rhetoric 5 and 6 or English Literature (A and S)†....	3	3
Chemistry 3 or Physics 1a and 2a (A and S)†.....	4	
Biology (Botany, Entomology or Zoology) (A and S)†.		4
Military Drill	1	1
	16	16
THIRD YEAR		
*Agricultural Subjects	7	7
Electives	6	5
History, Political Economy or Philosophy (A and S)†..	3	3
	16	15
FOURTH YEAR		
†Agricultural Subjects	7	7
Electives	8	8
	15	15

* The "Agricultural Subjects" include Agricultural Botany, Agricultural Chemistry, Agricultural Engineering, Agricultural Geology, Agronomy, Animal Husbandry, Dairy Husbandry, Forestry, Geography, Horticulture, Economic Entomology, Agricultural Pedagogy.

† Graduates of the School of Agriculture shall take Botany 3 and 4; others shall take courses 1 and 2.

‡ Required courses not given in the College of Agriculture are marked with the initials of the college in which they are offered; *e. g.*, (A and S) indicates that the subject is offered in the College of Arts and Sciences.

FORESTRY GROUP

	FIRST YEAR	1st Semester Hours	2d Semester Hours
Botany 1, 2.....		3	3
German 1, 2 (A and S)*.....		5	5
Geography 1, 2.....		2	2
Chemistry 1, 2 (A and S)*.....		2	2
Rhetoric 1, 2 (A and S)*.....		2	2
Forestry 1, 2.....		2	2
Military Drill		1	1
		<hr/> 17	<hr/> 17
	SECOND YEAR		
Botany 13, 14.....		2	2
Rhetoric 5, 6 (A and S)*.....		3	3
Entomology 1, 2.....		3	3
Physics 1a, 2a (A and S)*.....		2	2
Dendrology (Botany 35, 36).....		2	3
Mathematics 1 (A and S)*.....		5	
†Lettering and Drawing (Applied Mech. 10).....			(2)
Military Drill		1	1
		<hr/> 18	<hr/> 14
	THIRD YEAR		
Botany 19, 20.....		3	3
Surveying 5, 5a, 30 (E)*.....		4	3
Botany 6 (A and S)*.....			3
Soils (Agronomy 7, 9).....		4	
Forestry 7, 8.....		2	2
Political Economy 7, 1 (A and S)*.....		3	3
Geography 4.....			2
		<hr/> 16	<hr/> 16
	FOURTH YEAR		
Botany 21, 22 (A and S)*.....		3	3
Study of Woods (Botany 37) (A and S)*.....		3	
Timber Physics (Applied Mech. 20) (E)*.....			3
Forestry 11, 12.....		3	3
Forestry 15, 16.....		3	3
Geology 1 (A and S)*.....		3	
†Zoology 1 (A and S)*.....		(3)	
†Forest Zoology 32 (A and S)*.....			(2)
†Electives			(3)
		<hr/> 15	<hr/> 12

* See third note at bottom of page 247.

† These subjects are elective, and on consultation with the head of the department may be selected towards the 125 hours of credit necessary for graduation.

	FIFTH YEAR	1st Semester	2d Semester
		Hours	Hours
Forestry 17		2	
Forestry 19, 20.....		3	3
Forest Mycology (Botany 25).....		2	
Forest Entomology 11.....			2
Rhetoric 13, 14 (A and S)†.....		3	3
Forestry 21, 22 (Thesis).....		2	2
*Public Lands (American History 10) (A and S)†....			(2)
†Forestry 23, 24.....		(2 to 4)	(2 to 4)
†Forestry 25, 26.....		(2 to 4)	(2 to 4)

HOME ECONOMICS GROUP

FIRST YEAR			
Home Economics 1, 2 (Sewing and Design).....	3		3
Rhetoric 1, 2 (A and S)†.....	2		2
Chemistry 1, 2 (A and S)†.....	2		2
Language, Ancient or Modern (A and S)†.....	5		5
Botany, or Zoology (A and S)†.....	3		3
Physical Training	1		1
	16		16

FIRST YEAR FOR STUDENTS WHO HAVE NO ENTRANCE CREDIT IN CHEMISTRY

Home Economics 1, 2 (Sewing and Design).....	3		3
Home Economics 15, 16 (Elementary Cookery).....	2		2
Rhetoric 1, 2 (A and S)†.....	2		2
Physical Training	1		1
Chemistry A, B (A and S)†.....	3		3
Language (Ancient or Modern) (A and S)†.....	5		5
	16		16

SECOND YEAR

Home Economics 3, 4 (Foods: Selection and Preparation)	3		3
Chemistry 3 (Organic) (A and S)†.....	5		
Chemistry 14 (Food and Sanitary) (A and S)†.....			5
Physiology 1, 2 (A and S)†.....	3		3
English Language or Literature (A and S)†.....	5		5
Physical Training	1		1
	17		17

* See second note at bottom of preceding page.

† Work in one of these courses or an equivalent along some other forestry line is required. The number of hours credit may be arranged by consulting the head of the department.

‡ See third note at bottom of page 247; (E) refers to the College of Engineering.

THE UNIVERSITY OF NEBRASKA

	THIRD YEAR	1st Semester	2d Semester
		Hours	Hours
Home Economics 5, 6 (Advanced Cookery).....		3	3
Home Economics 7, 8 (Industrial Art).....		3	3
Bacteriology 2a (A and S)*.....			2
Philosophy, Sociology, or Political Economy (A and S)*		3	3
Electives		6	4
		<hr/> 15	<hr/> 15
FOURTH YEAR			
Home Economics 9, 10 (Household Administration)....		2	2
Education 4 (Child Study) (A and S)*.....		3	
Greek 40 (Interpretation of Art) (A and S)*.....			2
Physical Education 6 (Emergencies—First aid to the injured)			1
History		3	3
Electives		7	7
		<hr/> 15	<hr/> 15

* See third note at bottom of page 247.

COURSES OF INSTRUCTION

Students are advised to consult the heads of departments before registering.

For courses that may be chosen to apply as "Electives" see the general "Courses of Instruction" of the College of Arts and Sciences, the College of Engineering, and the Teachers College.

Courses included between brackets are not given in 1910-1911.

AGRICULTURAL BOTANY

Professor Wilcox, Adjunct Professor Coons

GENERAL INFORMATION

The office, laboratories and lecture room are located in Agricultural Hall. For use in the lectures, the department has a very extensive collection of lantern slides, charts and other illustrative material. An extensive pathological herbarium and collection of economic plants are being developed as rapidly as possible. The large private library of the professor of Agricultural Botany, particularly complete in phytopathology, is available for the use of advanced students. A greenhouse has recently been arranged and equipped for experimental work in physiology and pathology.

In connection with the Nebraska Seed Laboratory, maintained in co-operation with the United States Department of Agriculture, advanced students may secure practical training in seed testing. A limited number of advanced students with proper training can be offered exceptional opportunities for research work in phytopathology. In many cases it is possible for such students to receive compensation for work done in connection with problems being investigated by the department.

GRADUATE WORK

This department is especially prepared to offer graduate work in phytopathology and phytophysiology. To successfully undertake research work in this subject, students should have a broad training in general botany, chemistry and zoology; should be able to read French and German and should have taken Agricultural Botany 1, 2 and 3, 4. Before registration students should consult the head of this department.

FOR UNDERGRADUATES AND GRADUATES

1. **Elementary Plant Pathology**—A broad survey of the development and present condition of our knowledge of plant disease. Special attention will be given to diseases having their origin in malnutrition and unfavorable chemical and physical factors. The most typical and important diseases of our leading cultivated plants will be described in some detail. The lab-

oratory work will acquaint the student with the current technique, including the preparation and use of culture media, the establishment of pure cultures and artificial inoculation. Three hours lecture. Six hours laboratory. Three hours credit. Students are advised to take General Botany 15, 16 and 19, 20 before or with this course. Professor Wilcox

2. **Elementary Plant Pathology**—1 continued. Second semester.

3. **General Plant Pathology**—Prerequisite: Agricultural Botany 1, 2. An advanced course of lectures designed to furnish such a broad working basis as to enable one to engage in original research in plant pathology. The following are some of the subjects to be discussed: the physiology and cytology of resistance and immunity, origin of parasitism, specialization, epidemics and climatic factors, etc. Two hours lecture. Four hours reading. Two hours credit. First semester. Professor Wilcox

4. **General Plant Pathology**—3 continued. Second semester.

5. **Seed Testing**—Methods of seed analysis, including quantitative and qualitative methods of making purity determinations. Identification of foreign seeds. Liability and purity tests of the seeds of the principal cereals, forage crops, and horticultural crops. One hour lecture. Six hours laboratory. Three hours credit. First semester. Professor Wilcox

6. **Seed Testing**—5 continued. Second semester.

7. **Forest Plant Pathology**—A special course designed to furnish information as to the principal diseases of forest trees. Three hours lecture. Four hours laboratory. Three hours credit. First semester. Professor Wilcox

FOR GRADUATES

9. **Problems in Plant Pathology**—Prerequisite: Agricultural Botany 1, 2. Assigned problems in plant pathology. Laboratory work with hours for consultation. Two to five hours credit. First semester. Professor Wilcox

10. **Problems in Plant Pathology**—9 continued. Second semester.

11. **Problems in Plant Physiology**—Assigned problems in the nutrition, growth, irritability or reproduction of plants. Laboratory work with hours for consultation. Two to five hours credit. Professor Wilcox

12. **Problems in Plant Physiology**—11 continued. Second semester.

SCHOOL OF AGRICULTURE COURSES

A. **Elementary Agricultural Botany**—This course offers a general introduction to the science of botany. The students will become acquainted with the general morphology of the flowering plants. This will be accompanied by laboratory studies of the structure and activities of the plant cell and the principal tissues. One hour lecture. Four hours laboratory. Three hours credit. First semester. Professor Wilcox, Adjunct Professor Coons

B. Elementary Agricultural Botany—Elementary study of types of plants selected as far as possible with reference to their economic report in agriculture. One hour lecture. Four hours laboratory. Three hours credit. Second semester. Professor Wilcox, Adjunct Professor Coons

C. Elementary Plant Physiology—An elementary study of the growth, nutrition, irritability and reproduction of plants with special reference to the application of these facts to plant culture. Two hours lecture. Two hours laboratory. Two hours credit. First semester.

Professor Wilcox, Adjunct Professor Coons

D. Elementary Plant Pathology—An elementary study of the more common diseases of cultivated plants; the best methods of controlling these by spraying, proper methods of cultivation, use of resistant varieties, etc., will be discussed. Two hours laboratory. Two hours lecture. Second semester.

Professor Wilcox, Adjunct Professor Coons

E. Home Economics Botany—This course offers a general introduction to the science of botany. The students will become acquainted with the general morphology of the flowering plants. This will be accompanied by laboratory studies of the structure and activities of the plant cell and the principal tissues. One hour lecture. Four hours laboratory. Three hours credit. First semester.

Adjunct Professor Coons

F. Home Economics Botany—An elementary study of the bacteria, yeasts and fungi in the home. One hour lecture. Four hours laboratory. Three hours credit. First semester.

Adjunct Professor Coons

GENERAL BOTANY

Head Professor Bessey, Assistant Professor Pool, Adjunct Professor Sponsler, Miss Walker

1. General Botany—Introduction to structure of plants (cells, tissues, tissue systems). General morphology, physiology, and classification of representative species, including blue-green and green algæ. Three hours lecture and additional readings. Four hours laboratory. Three hours credit. First semester.

Head Professor Bessey, Miss Walker, Mr. Pipal

2. General Botany—The general morphology, physiology and classification of representative species of brown algæ to flowering plants. Three hours lecture and additional readings. Four hours laboratory. Three hours credit. Second semester.

Head Professor Bessey, Miss Walker, Mr. Pipal

13. Flowering Plants—Principles of the classification of Monocotyledons and their particular application to the grasses. Two hours lecture. Four to twenty hours laboratory work in the field and herbarium. Two to six hours credit. First semester.

Head Professor Bessey, Assistant Professor Pool

14. Flowering Plants—Principles of the classification of Dicotyledons and their particular application to the Composites. Otherwise as in course 13. Second semester. Head Professor Bessey, Assistant Professor Pool

19. Plant Physiology—An introductory study of the processes and functions of plants. Including imbibition; osmosis, absorption; the relation of the soil and of solutes to the plant; the movement of substances in the plant body; transpiration; guttation; bleeding; maintenance and bodily form; turgor; secretion, waste products. Three hours attendance. Six hours laboratory. Three hours credit. First semester.

Assistant Professor Pool

20. Plant Physiology—Photosynthesis; the question of the manufacture and assimilation of food; stomatal relations; the nitrogen cycle; the storage and digestion of foods; respiration and fermentation; growth and movement with special reference to the influence of external factors upon these phenomena; irritability; stimulus and response; correlation; reproduction of plants; death. Three hours attendance. Three hours credit. Six hours laboratory. Second semester.

Assistant Professor Pool

35. Dendrology—Brief review of the morphology and physiology of the tree. Forest regions and forest types. Distribution. Economic importance. Detailed study of dendrological and silvical characteristics of about one hundred important forest trees. Two hours attendance. Four hours laboratory and field work. Two hours credit. First semester.

Adjunct Professor Sponsler

36. Dendrology—35 continued. Three hours attendance. Six hours laboratory and field work. Three hours credit.

37. The Study of Woods—Study of structure of important woods leading to identification and relation of structure to strength, weight, shrinkage, and other physical properties. Primarily for foresters; engineers may elect this course for two hours credit after consultation with the instructor. Prerequisites for foresters: Botany 6. Two hours attendance. Six hours laboratory. One hour reading. Three hours credit. First semester.

Adjunct Professor Sponsler

AGRICULTURAL CHEMISTRY

Head Professor Alway, Adjunct Professor Trumbull

All courses in the department are given in Experiment Station Hall.

The work offered by the Department of Agricultural Chemistry is either research or direct preparation for research. In general only graduates, or undergraduates in their senior year, are prepared for this work, which is largely individual and the nature of which depends largely upon the student's previous work in chemistry, geology, physics and soils.

UNDERGRADUATE WORK

Courses 2, 4, 5 and 6 are open to undergraduates who previously have had sufficient training. On account of the varied nature of the problems presenting themselves in agricultural chemistry students are urged to acquire as thorough a training as possible in inorganic, organic, analytical, and physical chemistry before specializing in this department. Only those whose training in pure chemistry has been thorough may hope to succeed in dealing with problems in agricultural chemistry.

GRADUATE WORK

Courses 2, 4, 5 and 6 outlined below are primarily for graduates. In addition to these courses, graduate students may select problems in the chemistry of plants. The nature of the problem assigned to any particular student depends both upon his previous training and upon the lines of investigation in progress at the Experiment Station.

PRIMARILY FOR GRADUATES

2. Analysis of Agricultural Products—A course in the quantitative analysis of grains, flours, fruits, dairy products, sugar beets and fodders. Prerequisite: courses 1, 2, 3, 4, 7, and 8 in Chemistry, or their equivalent. One hour attendance. Five hours laboratory. Two hours credit. Second semester. Head Professor Alway

4. Analysis of Soils and Fertilizers—A course in the quantitative chemical analysis of soils and fertilizers. Prerequisite: courses 1, 2, 3, 4, 7, and 8 in Chemistry, or their equivalent. One hour attendance. Five hours laboratory. Two hours credit. Second semester. Head Professor Alway

5. Research Work in Soils—The investigation in the field, in the laboratory, or in both, of some problem in soil chemistry or soil physics. Prerequisite for undergraduates: courses 7, 8, 9, and 10 in Agronomy. Two to five hours credit. First semester. Head Professor Alway

6. Research Work in Soils—5 continued. Second semester.

SCHOOL OF AGRICULTURE COURSES

A. Elementary Agricultural Chemistry—General principles of chemistry. Special emphasis upon chemistry of agriculture. Three hours credit. First semester. Adjunct Professor Trumbull

B. Elementary Agricultural Chemistry—A continued. Second semester.

AGRICULTURAL EDUCATION

Head Professor Davisson

1. Agricultural Economics—Beginning by calling attention to the fact that Agricultural Economics consists in applying the principles of general economics to the production, distribution, and consumption of agricultural wealth, the course deals with: (1) The factors of agricultural production; the economic properties of the factors of production; the guiding principle in the organization of the farm; the organization and size of the farm; the forces and conditions which determine the prices of agricultural products; distribution of wealth with especial reference to the rent of farm land and to the conditions which enable farmers to save from their earnings; the principles to be followed in estimating the value of farm land and equipment. (2) All conditions which contribute to the efficiency of labor are considered; these include careful consideration of those things which

must characterize rural environment in order that the health of the dwellers therein may be assured and their strength be of that quality so essential to him who works on the farm; the mental qualities which must be looked for in farm laborers and what sort of educational material must be provided in order that ideal mental qualities may be induced; agricultural education is discussed as a means by which the efficiency of those who work on the farm may be increased; how the principles of division of labor may be used on the farm is given careful treatment. The systems of distribution by which farm labor may be reimbursed for the sacrifices made are discussed with a view to determining whether cooperation between employer and laborer is an advantage to agricultural production or the contrary. (3) The law of diminishing returns from the land is discussed under the eight topics usually assigned by Economists as a means by which its operation may be in a measure prevented; the connection between it and the Law of Malthus is emphasized and here again agricultural education is discussed with reference to its necessity for people in general in order that the proper foundations of an enduring civilization may be laid. (4) The last general subject to be considered is distribution. The systems of distribution are carefully defined and the student is led to determine which in his opinion is the best. The marketing of farm products is given careful consideration. Whether agricultural products should find a home market or an international one is given detailed discussion. The ultimate system of distribution and of agricultural industry that must be adopted in order that the highest agricultural development may take place is considered as carefully as time will permit. (5) Rural sociology is investigated and all phases of rural life studied for the purpose of giving the student an adequate notion of what conditions now prevail in rural communities, and of what should be done in order to improve and make them ideal. Senior year. Second semester. Three hours attendance. Six hours preparation. Three hours credit.

2. **Agricultural Pedagogy**—The subject matter characterizing the various subjects for instruction in agriculture is given careful consideration, the first purpose being to give the student, even though he has not taken all the subjects known as agricultural, a general concept of what agricultural education means. Each subject is then taken up and discussed with the view of determining its educative value. In this portion of the subject the student must become familiar with the elementary terms used in educational psychology. The best methods of imparting instruction in agricultural subjects to rural and to high school students are then considered. The knowledge which should precede the study of every agricultural subject is carefully discussed, for too often attempts are made by teachers in rural schools to give agricultural instruction without having built a proper foundation. The time which should be devoted to agriculture in the rural schools and in the high school and what materials can best be used for instruction are discussed, and an attempt is made to formulate a rational system of instruction which will, with the ordinary scientific subjects of the high school, constitute an organic whole. Senior year. First semester. Two hours attendance. Four hours preparation. Two hours credit.

AGRICULTURAL ENGINEERING

Professor Chase, Adjunct Professor Shedd, Mr. Baer, Mr. Sjogren.

This work has formerly been under the heading "Farm Mechanics," but with the increasing demand for men in the work and the broadening of the course it has been deemed best to change the title of the department to Agricultural Engineering.

With this change of title, the College of Engineering will offer a course leading to the degree of Bachelor of Science in Agricultural Engineering. The outline of this course is given under the College of Engineering exhibits.

As the College of Agriculture has adopted a broader elective system, it is possible for students desiring to take more agriculture than is offered in the Agricultural Engineering group to register in the College of Agriculture and elect sufficient of the exact sciences and Agricultural Engineering to give them a good course in Agricultural Engineering.

A graduate who has completed such a line of work should be well fitted for handling large farms which are conducted on the intensive plan. Also, he will be in excellent shape to take up the more technical lines of agriculture.

1. Farm Machinery—A part of former course 3. All lines of agricultural implements, tillage, grading, seeding, harvesting, threshing, pumping and fertilizing machinery. The uses of concrete, field work with implements and the traction dynamometer. One hour attendance. Two hours preparation. Six hours laboratory. Three hours credit. First semester.

Professor Chase, Adjunct Professor Shedd

2. Farm Motors—All classes of farm motors, the horse, windmill, steam boilers, steam engines, traction engines, gasoline engines, electric motors, and water motors, the measurement of power, economy tests, etc. Prerequisite: Mathematics 1, Physics 1 and 2. One hour attendance. Two hours preparation. Six hours laboratory. Three hours credit. Second semester.

Professor Chase, Adjunct Professor Shedd

3. Rural Architecture—The laying out of farms, the study of houses, barns, granaries, sheds, fences, equipment, water systems, sewage, etc. Prerequisite: Mathematics 1. One hour attendance. Two hours preparation. Six hours laboratory. Three hours credit. First semester.

Professor Chase

4. Farm Drainage and Rural Highways—A study of methods of drainage, estimates, laying out drainage systems, etc. A study of the highways of Nebraska, construction and reconstruction, haulage, and highway laws. The first half of the time of this course is given to drainage, and the second to highways. One hour attendance. Two hours preparation. Six hours laboratory. Three hours credit. Second semester.

Professor Chase, Adjunct Professor Shedd

5.* Wood Work and Interior Finishing—Practice at the bench with light carpenter tools and the care of edged tools for the home. Work in the construction of furniture, painting, oiling, and finishing the same. Instruction in the planning of the home, the designing, selection and care of the interior finish. One hour attendance. Two hours practice. One hour credit. For women only. First semester. Mr. Baer

6. Spraying Machinery—The designing of spraying outfits, practice with the gasoline engine, mixers and pumps and a study of nozzles. Three hours laboratory. One hour credit. First semester. Professor Chase

7. Research Work in Rural Architecture, Farm Drainage and Rural Highways—The wide range of these subjects offers a great field of original investigations, drainage, water supplies, heating, fencing, building materials, sewage, road construction, etc. Prerequisite: Courses 3 and 4. From 6 to 15 hours laboratory or reading. From 2 to 5 hours credit.

Professor Chase, Adjunct Professor Shedd

8. Research Work in Farm Machinery, Farm Motors, and Farm Equipment—The large equipment of machinery in the department gives an excellent opportunity for testing both in the laboratory and in the field, standardizing traction tests, calibration and economic tests of both farm machinery and farm motors. Prerequisite: Courses 1 and 2. From 6 to 15 hours laboratory or reading. From 2 to 5 hours credit.

Professor Chase, Adjunct Professor Shedd

SCHOOL OF AGRICULTURE COURSES

A. Wood Work—Practice with the care, use and adjustment of tools. Exercises in bench work. Four hours attendance. Two hours credit. First term. Mr. Baer

B. Wood Work—Farm building construction. Prerequisite: course A. Four hours attendance. Two hours credit. Second term. Mr. Baer

C. Forge Work—Practice in forging, welding, tempering, pipe fitting, babbiting, and repairing of machinery. Four hours attendance. Two hours credit. First term. Mr. Sjogren

D. Forge Work—Continuation of course C. Prerequisite: Course C. Four hours attendance. Two hours credit. Second term. Mr. Sjogren

E. Farm Machinery—A study of all lines of agricultural implements, tillage, grading, seeding, harvesting, pumping, and fertilizing machinery. One hour attendance. Two hours credit. Three hours laboratory.

Professor Chase, Adjunct Professor Shedd

F. Farm Motors—Continuation of course E with the addition of work with windmills, steam boilers, steam engines, gasoline engines, and traction engines. The determination of brake horse power and other tests in farm motors. One hour attendance. Three hours laboratory. Two hours credit.

Professor Chase, Adjunct Professor Shedd

* Course 5 for undergraduates; courses 1 to 4 and 6 to 8 for undergraduates and graduates.

G. Rural Architecture—The laying out of farms, the study of houses, barns, granaries, sheds, fences, equipment, water systems, sewage, heating, etc. Practice at drawing and designing. One hour attendance. Two hours designing. Two hours credit. Professor Chase

H. Rural Architecture—Continuation of course G. One hour attendance. Two hours designing. Two hours credit. Professor Chase

I. Wood Work and Finishing (Girls)—Practice with use, care, and adjustment of tools. Interior construction. Painting, oiling, and staining of woods. One hour attendance. Two hours practice. One hour credit. First term. Mr. Baer

J. Wood Work and Finishing (Girls)—Continuation of course I. One hour attendance. Two hours practice. Two hours credit. Second term. Mr. Baer

AGRONOMY AND FARM MANAGEMENT

Professor Pugsley, (Professor Montgomery,) Adjunct Professor Barker (Soils), Adjunct Professor Hopt (Crops)

Students should have at least one year's work in Botany, Chemistry and Geology. Courses are offered to meet the needs of (1) those students taking general culture courses, or interested in farm operations or the management of land; (2) those fitting themselves to be agricultural teachers or investigators.

Excellent opportunities are offered for graduate students who desire to take up research work. Training in natural and physical sciences is necessary for students taking graduate work. Lines of research work are open to students of this class upon consultation with the head of the department. Graduate courses will also be found under Experimental Agronomy.

FOR UNDERGRADUATES AND GRADUATES

1. Forage Crops—Classification, method of improvement of forage crops, their adaptability and distribution, methods of seeding and harvesting, treatment of pastures. Two hours attendance. Four hours preparation. Two hours credit. First semester. Professor Pugsley

2a. Cereal Crops—Classification and methods of improvement of cereal crops, their adaptability and distribution, time and methods of seeding, harvesting and cultivating. To be taken in connection with course 2b. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Professor Pugsley

2b. Grading and Judging Grains—Laboratory practice in describing, scoring, judging and inspecting cereals by outlines and score cards. Methods of breeding to improve these cereals. To be taken in connection with course 2a. Four hours laboratory. Two hours preparation. Two hours credit. Second semester. Adjunct Professor Hopt and Assistants

3. Farm Management—Dealing with farm problems such as farm loca-

tion, equipment, labor, marketing, accounting. Should be preceded by courses 1, 2a, 7 and 9. Two hours attendance. Four hours preparation. Two hours credit. First semester. Professor Pugsley

4. **Farm Management Seminar**—Prerequisite: course 3. This course deals with problems in farm management and is a continuation of course 3. Special lines of investigation relating to farm management are taken up by the students. Three hours meeting, preparation and library. One hour credit. Second semester. Professor Pugsley

5. **Advanced Field Crops**—Study of methods of crop treatment, commercial grading of grains and hays—lectures, laboratories and readings. Prerequisite: Courses 1, 2a, 2b, 7 and 9. Three to fifteen hours work. One to five hours credit. First semester.

Professor Pugsley, Adjunct Professor Hopt

6. **Advanced Field Crops**—5 continued. Second semester.

7. **Soils**—Origin, nature and properties of soils, their relation to plant growth and crop production. Should accompany course 9. First semester. Two hours attendance. Four hours preparation. Two hours credit.

Adjunct Professor Barker

8. **Soils**—7 continued. Second semester.

9. **Soil Physics**—Physical properties, weight, pore space, specific gravity, soil moisture, soil temperature, effect of various forms of tillage on plant growth. Should accompany course 7. Laboratory, four to eight hours attendance. Two to four hours preparation. Two to four hours credit. First semester.

Adjunct Professor Barker and Assistants

10. **Soil Physics**—9 continued. Mechanical analysis and elementary soil mapping. Second semester.

11. **Soil Management**—Principles governing the management of land, crop system, tillage, rotations, manuring, fertilizing, drainage and aeration. Prerequisite: Courses 1, 2a, 7 and 9. Two hours attendance. Four hours preparation. Two hours credit. First semester.

Professor Pugsley, Adjunct Professor Barker

11a. **Soil Management Laboratory**—Given in connection with 11. Treating of principles governing the management of land from the practical standpoint. Four hours attendance. Two hours preparation. Two hours credit. First semester.

Adjunct Professor Barker

13. **Advanced Soils**—Factors influencing the productive capacity of lands. Lectures, readings, and laboratory. Credit according to work. To be arranged with head of department and assistant. Prerequisite: Courses 1, 2a, 7 and 9. First semester.

Adjunct Professor Barker

14. **Advanced Soils**—13 continued. Second semester.

15. **Crop Management**—A practical course for the student who expects to operate a farm or manage farms for other people. Dealing with the management of various farm crops. Primarily designed for school of agri-

culture credit. Two hours attendance. Four hours preparation. Two hours credit. First semester. To be arranged with head of department and assistant.
Professor Pugsley, Adjunct Professor Hopt

17. Farm Accounting—A course dealing with a simple practical system of farm accounting. Legal papers with which the farmer should have a working knowledge will also be discussed, and the problem of the farmers' library will receive some attention. Two hours attendance. Four hours preparation. Two hours credit. First semester.

Professor Pugsley

19. Agronomy—Given only during summer session. A combined course in field crops and soils, especially prepared for those desiring to teach agriculture in secondary schools. Five lectures. Ten hours laboratory. Three hours credit. Summer session.

Professor Pugsley and Assistants

SCHOOL OF AGRICULTURE COURSES

A. Crop Management—History, composition, improvement, production, and disposal of principal cereal and forage crops with special reference to Nebraska conditions. Three hours attendance. Three hours credit. First semester.

Adjunct Professor Hopt

Aa. Crop Management Laboratory—To accompany lectures in A. Two hours laboratory. One hour credit.

B. Crop Management—A continued. Second semester.

C. Crop Laboratory—Instruction in types, varieties, and quality of cereals, judging by score cards. Identification of grass and legumes and weed seeds. Four hours laboratory. Two hours credit. First semester.

Adjunct Professor Hopt and Assistants

D. Crop Laboratory—C continued. Second semester.

E. Farm Management—Practical farm problems, such as location, laying out, equipment, system of rotation, and marketing. Two hours attendance. Two hours credit. First semester.

Professor Pugsley

F. Farm Management—E continued. Farm accounting and legal papers. Second semester.

G. Soil Tillage and Management—Order, deposition and natural transportation of soils, physical and chemical constitution of soils and subsoils, size of soil particles in relation to drainage, aeration, water storage and capillarity. Two hours attendance. Two hours credit. First semester.

Adjunct Professor Barker

H. Soil Tillage and Management—G continued. Second semester.

I. Soil Laboratory—Formation of soil from rock, study of texture and its influence on plant growth. Humus, soil moisture, movement of air, specific gravity and volume weight. Four hours laboratory. Two hours credit. First semester.

Adjunct Professor Barker and Assistants

J. Soil Laboratory—I continued. Second semester.

EXPERIMENTAL AGRONOMY

Professor Montgomery (Professor Pugsley), Adjunct Professor Hopt

The courses offered in this department are intended primarily for those desiring to take up advanced work in Agronomy. Extensive lines of investigation are under way and opportunity is offered to work up some special line. All general courses in Farm Management are prerequisite. Students taking this work are expected to spend the summer season on the experimental farm, for which a moderate compensation is allowed. Only a limited number of students can be accommodated.

1. **Investigation**—Satisfactory work on some special line of investigation with assigned readings. Six to twenty hours laboratory. Thesis required. Two to five hours credit. First semester.

Professor Montgomery

2. **Investigation**—Continuation of 1. Second semester.

3. **Methods of Investigation**—Compilation of experimental data. Correlation tables. Statistical methods. Six to twenty hours laboratory. Two to five hours credit.

Professor Montgomery

4. **Methods of Investigation**—Continuation of 3. Second semester.

ANIMAL HUSBANDRY

Head Professor Smith, Assistant Professor Rail, Instructor ———

PRIMARILY FOR UNDERGRADUATES

1. **Breeds of Live Stock**—History of different breeds of live stock. Methods in development of breeds. Characteristics and adaptability of improved breeds. Must be accompanied by course 3. Two hours attendance. Four hours preparation. Two hours credit. First semester.

Assistant Professor Rail

2. **Principles of Animal Breeding**—Theory and practice of animal breeding, variation, correlation, heredity, prepotency and selection. Grading, crossing, line breeding, and inbreeding, pedigrees. Two hours attendance. Four hours preparation. Two hours credit. Second semester.

Assistant Professor Rail

3. **Judging Live Stock**—Practice with the score card. Competitive judging of classes by ages of horses, cattle, sheep, and swine. Must be accompanied by course 1. Four hours attendance. Two hours preparation. Two hours credit.

Assistant Professor Rail

4. **Judging Live Stock**—Continuation of course 3, which must precede it. Two hours attendance. One hour preparation. One hour credit. Second semester.

Head Professor Smith

5. **Animal Nutrition**—General composition of animal body. Composition and digestibility of foods. Digestion, absorption, and excretion. Feeding standards. Methods of feeding all classes of farm animals. Influence

of food on animal form and on quality of meat and milk. Three hours attendance. Six hours preparation. Three hours credit. Second semester.

Head Professor Smith

6. Animal Nutrition—5 continued. Advanced course. Review of recent bulletins on feeding. Methods employed in conducting experiments in feeding. Two hours attendance. Four hours preparation. Two hours credit. First semester.

Adjunct Professor ———

7. Judging Live Stock—Advanced course. Prerequisite: Courses 3 and 4. Two hours attendance. One hour preparation. One hour credit. First semester.

Head Professor Smith

8. Judging Live Stock—Continuation of 7 and must be preceded by it. Two hours attendance. One hour preparation. One hour credit. Second semester.

Head Professor Smith

9. Judging Live Stock—Continuation of 8. Two hours attendance. One hour preparation. One hour credit. First semester.

Head Professor Smith

10. Animal Nutrition—Seminar. Must be preceded by 5 and 6. Two hours attendance. Two hours preparation. One hour credit. Second semester.

Head Professor Smith

SCHOOL OF AGRICULTURE COURSES

A. Breeds and Live Stock Judging—History and development of horses, breeds of cattle, sheep, and swine. Judging breeds by the score card and by competitive methods. Selecting animals for feeding purposes, judging meat carcasses. Three hours attendance. Three hours credit. First and second semesters.

Assistant Professor Rail, Adjunct Professor ———

B. Principles of Breeding—Elementary study of heredity, variation, and selection; prepotency; effect of pure-bred animals in improving common types. Three hours attendance. Three hours credit. First and second semesters.

Assistant Professor Rail

C. Feeding Live Stock—Elementary discussion of composition of animal body and of foods. Influence of food on animal form. Economical feeding of farm animals. Five hours attendance. Five hours credit. Second semester.

Adjunct Professor ———

D. Judging Live Stock—Advanced course for third year students. Prerequisite: course 8. One hour attendance. One hour credit. First semester.

Assistant Professor Rail

E. Judging Live Stock—D continued. Second semester.

ANIMAL PATHOLOGY

Professor Gain, Assistant Professor Sturdevant

2. Diseases of Farm Animals—Causes and prevention of animal diseases. Emergency treatment and minor surgery. Three hours attendance. Six hours preparation. Three hours credit. Second semester.

Associate Professor Gain

SCHOOL OF AGRICULTURE COURSES

A. Anatomy and Physiology—Study of skeletons of horse and cow. Anatomy of digestive system and physiology of digestion. Circulatory system and study of blood. Three hours attendance. Three hours credit. First semester. Assistant Professor Sturdevant

B. Anatomy and Physiology—Respiration. The nervous system. The senses. The foot. Generation and development. Three hours attendance. Three hours credit. Second semester. Assistant Professor Sturdevant

C. Diseases of Farm Animals—Hereditary diseases. Diseases of respiratory system. Prevention of digestive diseases. Minor emergency surgery. Prerequisite: Anatomy and Physiology A and B. Three hours attendance. Three hours credit. First semester. Professor Gain

D. Diseases of Farm Animals—Contagious diseases. Hygiene and Farm Sanitation. Three hours attendance. Three hours credit. Second semester. Professor Gain

E. Elements of Physiology—Bones of skeleton. Digestion. The circulatory system. Respiration. The senses. Drugs and stimulants. Two hours attendance. Two hours credit. First semester. Assistant Professor Sturdevant

F. Hygiene and Sanitation—Personal hygiene. Domestic hygiene. Ventilation and water supply. Public hygiene. Two hours attendance. Two hours credit. Second semester. Assistant Professor Sturdevant
(Offered in the course for women in the School of Agriculture.)

DAIRY HUSBANDRY

Head Professor Haecker, Adjunct Professor French

2. General Survey of Home Dairying—Composition of milk and dairy products. Production, handling, testing, and uses of milk. The creaming of milk by centrifugal separators. Ripening, testing, and churning of cream. Making, scoring, and marketing butter; cheese making. Dairy stock breeding, feeding and judging. Two hours attendance. Six hours laboratory. Four hours credit. Second semester.

Head Professor Haecker, Adjunct Professor French

3. Dairy Stock Judging—A special course in dairy stock judging. Work given with the four dairy breeds—Ayrshires, Guernseys, Holsteins, and Jerseys. Two hours attendance. One hour preparation. One hour credit. First semester. Head Professor Haecker

4. Economic Dairying—Advanced study in dairy husbandry, taking up the scoring of dairies by the score card system and the management of the market dairy. Prerequisite: Course 2. Text-book, with readings in station bulletins and publications. Two hours attendance. Two hours credit. Second semester. Adjunct Professor French

6. Dairy Husbandry—Prerequisite: Courses 2 and 4. Advanced

studies in experiment station findings. A reading course with one lecture a week. Eight hours preparation. Three hours credit. Second semester.

Head Professor Haecker

SCHOOL OF AGRICULTURE COURSES

A. General Study of Home Dairying—Secretion, composition and production of milk. Practice with the various centrifugal hand-separators. Butter making, milk and cream testing. Two hours attendance. Four hours laboratory. Two hours credit. First term.

Head Professor Haecker, Adjunct Professor French

B. General Study of Home Dairying—A continued. Practice with the lactometer. Cheese making. Care and judging of dairy stock. Milk and its products. Two hours attendance. Four hours laboratory. Two hours credit. Second term.

Head Professor Haecker, Adjunct Professor French

ENTOMOLOGY

Head Professor Bruner, Assistant Professor Swenk, Mr. Dawson

Courses 1 and 2 are open to all students, and they, or their equivalent, must precede all other courses in Entomology except 3 and 4a. Courses 3 and 4, or 4a, must precede courses 7 and 8.

GRADUATE WORK

A candidate for the degree of Master of Arts in Entomology must have had Zoology 1 and 2, or their equivalents, in addition to Entomology 1 and 2. He should be able to read Latin and either French or German, or both.

The department has in Experiment Station Hall a laboratory fully equipped for the use of students engaged in research work along systematic lines, and also a modern insectary well provided with apparatus useful in facilitating research in Economic Entomology for those investigating the life-histories of insects. A collection of insects numbering approximately 135,000 pinned specimens is well housed in special cabinets and Schmitt boxes and is available for study by advanced students; it is particularly rich in Hymenoptera, Diptera and Orthoptera and contains many specimens of these orders named by specialists, including a considerable number of their types. While the greater portion of the collection is representative of our state and national fauna, it is also exceedingly rich in exotic material from Argentina, Costa Rica and Mexico. The library contains practically complete files of all American and the principal foreign entomological periodicals as well as most of the special monographs in the various orders, and is readily accessible to advanced students, while the excellent economic libraries of the State Entomologist and Nebraska Experiment Station are close at hand and available for reference. The results of studies carried on in the department are issued consecutively in a numbered series.

MASTER OF ARTS

As his major for the degree of Master of Arts the student may choose either courses 15 and 16 or 17 and 18. He may elect his first and second minors from the other courses offered as graduate studies in this department or from the courses offered as graduate studies in the Department of Zoology.

The graduate work of this department is of so technical a nature, being chiefly designed to prepare students as government, state or experiment station investigators in Entomology, or as museum scientists, that each student should consult with the head of the department before registering.

PRIMARILY FOR UNDERGRADUATES

1. **General Entomology**—A general survey of the class Insecta, with introductory lectures on arthropod structure, physiology, transformations, distribution and behavior, followed by a consideration of the characteristics of the orders, suborders and principal families of insects, and the life-histories and habits of typical species. Laboratory dissections of typical forms of the various orders, correlated with the lectures. Three hours attendance. Six hours laboratory and preparation. Three hours credit. First semester.

Head Professor Bruner, Mr. Dawson

2. **General Entomology**—1 continued. In addition, general work in the collection and classification of insects, and the study of microscopical forms. Three hours attendance. Six hours laboratory and preparation. Three hours credit. Second semester.

3. **Economic Entomology**—An introduction to the practical phases of entomology, presenting the broad principles of insect damage and control. Types of insect injury; beneficial insects; parasitism; gall formation; fungous and bacterial diseases of insects; climatic influence on insect control; cultural preventives and artificial remedies in fighting insect pests. Assigned readings and laboratory work in rearing insects and following out life-histories in the insectary, designed principally to give the student a general view of insect metamorphosis and of insectary methods and the use of apparatus. Two hours attendance. Four hours laboratory and preparation. Two hours credit. First semester.

Head Professor Bruner, Assistant Professor Swenk

4. **Economic Entomology**—3 continued. Detailed studies of our most conspicuous insect pests concerning their life-histories and habits, and preventives and remedies for them, and in the spring observations of their work in the field. One hour attendance. Five hours laboratory, preparation and field work. Two hours credit. Second semester.

4a. **Economic Entomology**—A combination of courses 3 and 4, especially for second year students in the Agricultural Group. Three hours attendance. Nine hours laboratory, preparation and field work. Four hours credit. Second semester.

Head Professor Bruner, Assistant Professor Swenk

FOR GRADUATES AND UNDERGRADUATES

5. Systematic Entomology—A study of the principles and machinery of classification as applied to insects. Taxonomic groups; evaluation of characters; evolution of organs; dimorphism; nomenclature codes; synonymy; types; methods of description; construction of tables; use of reference books; faunal areas; ecological methods. Laboratory work with various insect groups designed to give a conception of the varying value of classificatory characters. Two hours attendance. Seven or more hours laboratory. Three or more hours credit. First semester.

Assistant Professor Swenk

6. Systematic Entomology—5 continued. In addition, a detailed study of entomological technique involving the methods of collecting, preparing and preserving entomological specimens for the cabinet and museum; entomotoxy; use of entomological apparatus; entomography; entomological literature and methods of publication; bibliography, index and catalog compilation. Two hours attendance. Seven or more hours laboratory and field work. Three or more hours credit. Second semester.

7. Advanced Economic Entomology—A review of the groups of insects injurious to any host plant or group of plants, including the insect enemies of corn, the small grains, alfalfa and clover, grasses, potato, sugar beet, garden vegetables, apples, stone fruits, grape and bush fruits. Assigned and original laboratory work in life-histories and actual field work in investigating insect pests. Two hours attendance. Ten or more hours laboratory. Four or more hours credit. First semester.

Head Professor Bruner, Assistant Professor Swenk

8. Advanced Economic Entomology—7 continued. In addition, a consideration of the principal insect enemies of domestic animals and stored vegetable and animal products, the preparation and use of insecticides and methods of spraying and fumigation; nursery inspection; determination of injurious scale insects; entomological office methods; insect photography. Two hours attendance. Ten or more hours laboratory. Four or more hours credit. Second semester.

9. Apiculture—A general survey of the subject, including a discussion of the structure, life-history, varieties and communal life of the honey bee; methods of handling bees, formation of colonies, enlarging brood nests, controlling the colony growth, rearing of queens, honey and wax production, honey-producing plants, apiary paraphernalia and the symptoms, etiology and control of bee diseases and other enemies of bees. One hour attendance. Two hours laboratory and reading. One hour credit. First semester.

Head Professor Bruner

10. Domestic Entomology—A series of lectures on insects affecting the household, with suggestions for their control. House ants, cockroaches, termites, silver fish, clothes moths, carpet beetles, skippers, flour beetles, meal worms, lice, fleas, house flies, mosquitos, etc. One hour attendance. Two hours laboratory and reading. One hour credit. Second semester.

Assistant Professor Swenk

11. **Forest Entomology**—Lectures and laboratory studies of the insects of the forest. Two hours attendance. Four hours laboratory. Two hours credit. First semester. Head Professor Bruner

12. **History of Economic Entomology**—An outline of the history of entomology, particularly the development of economic entomology from the earliest efforts down to the work of Riley and the advent of the new school of entomologists. One hour attendance. Two or five hours assigned readings. One or two hours credit. Second semester.

Assistant Professor Swenk

13. **Medical Entomology**—A study of insects in their relation to the transmission of certain human diseases and of their capacity as human parasites. One hour attendance. Two or more hours laboratory. One or more hours credit. First semester. Head Professor Bruner

14. **Seminary**—The seminary work of the department is carried on by the Nebraska Entomological Society, an association of students specializing in entomology and taking advanced or graduate courses, meeting one evening each week for the presentation of papers and the discussion of current progress in entomological science. Time spent in the preparation of papers and attending meeting may be applied as laboratory work.

PRIMARILY FOR GRADUATES

These courses may be registered for repeatedly until the completion of the problem.

15. **Research in Systematic Entomology**—Independent studies under the advice of the head of the department leading to the monographing of some genus, subfamily of family of insects or the detailed study of the insect fauna of Nebraska in one of the larger groups. First semester.

Head Professor Bruner

16. **Research in Systematic Entomology**—15 continued. Second semester.

17. **Research in Economic Entomology**—Individual investigation of some special problem in economic entomology, usually the monographing of a series or group of species of economic importance. First semester.

Head Professor Bruner

18. **Research in Economic Entomology**—17 continued. Second semester.

SCHOOL OF AGRICULTURE COURSES

A. **Agricultural Entomology**—Insects in their relation to Agriculture. For men. Two hours lecture. First semester. Assistant Professor Swenk

B. **Agricultural Entomology**—Course A continued, taking up the principal insect pests of our crops. Second semester.

C. **Home Economics Entomology**—Insects in their relation to the household. For women. Two hours lecture. First semester.

Assistant Professor Swenk

D. Home Economics Entomology—Course C continued. Second semester.

E. Farm Entomology—An abridgement of courses A and B for students in the winter course. Sixteen lectures. Assistant Professor Swenk

FORESTRY

Professor Phillips, Adjunct Professor Sponsler

Course 1 is open to all students. Before electing other courses students should confer with the head of the department. Courses 7, 8, 11, 12, 15, 16 may be taken by students in other departments; in addition to these courses 23, 24, 25, 26 may be taken as minors by graduates who are candidates for advanced degrees in other departments. Advanced students desiring to elect Silvicultural Problems (Forestry 23 and 24), or Wood Structure Problems (Forestry 25, 26), or to pursue investigations along other forestry lines, may arrange the number of credit hours by consulting with the head of the department; no more than four credit hours will be allowed for this work in any one subject in one semester.

Course 17a is given by Mr. F. B. Moody, Assistant State Forester of Wisconsin, Courses 12a and 12b are given by Mr. William H. Mast, of the Forest Service, U. S. Department of Agriculture. Through the courtesy of the United States Forest Service, the University is able to announce several special lectures on various forestry problems. Special work is given in emergency surgery and in camp equipment, packing horses, etc. A special course is given in rhetoric which is designed to give the forestry student preparation for the writing of scientific articles on forestry. This course is given in the Rhetoric Department, but both departments emphasize the proper use of text-book and lecture references, gathering of material, analysis, outlines, and structure. The articles are corrected for English in the Rhetoric Department and for scientific accuracy in the Forestry Department.

A degree of Master of Forestry is given upon satisfactory completion of the courses scheduled for the fifth year. This presupposes a major in Forestry and a minor in Botany. If a minor in Entomology, in Engineering or in other departments is desired, the student should confer with the heads of both departments. In addition, one year's practical field experience in forestry will be required before granting the Master's degree. This may be accomplished by vacation work or by a year's continuous work. Such experience is essential to proper training of the student and should be as diversified as possible.

1. General Forestry—Importance of forests and forestry in the life of the nation; relation of forestry to agriculture and to other industries; uses of wood. Two hours attendance. Four hours preparation. Two hours credit. First semester. Professor Phillips

2. General Forestry—1 continued. Second semester.

7. Forest Utilization—Uses of timber; methods of logging and milling; cost of lumbering in various forest regions; seasoning, grading, markets, final product; secondary forest products; minor forest products. Two hours attendance. Four hours preparation. Two hours credit. First semester.

Professor Phillips

8. Forest Utilization—7 continued. Second semester.

11. Silviculture—Objects of silviculture; forest soils and their relation to tree growth; forest influences on soil, climate, and stream flow; forest types; pure and mixed forests. Three hours attendance. Five hours laboratory. One hour library work. Three hours credit. First semester.

Professor Phillips

12. Silviculture—11 continued. Methods of reproducing forests; forest nurseries, planting, thinning, harvesting; forest injuries and methods of prevention. Includes 12a and 12b. Three hours attendance. Five hours laboratory and field work. One hour library work. Three hours credit. Second semester.

Professor Phillips

12a. National Forest Planting—Methods of seed collecting, seed storing, nursery practice, and field planting. Six to eight lectures. Second semester.

Mr. Mast

12b. Commercial Nursery Practice—Methods employed in various parts of the United States and relation to private planting. Six to eight lectures. Second semester.

Mr. Mast

15. Forest Mensuration—Forest surveys and mapping. Methods of determining volume, age and increment of single trees and of stands. Three hours attendance. Five hours laboratory and field work. One hour library work. Three hours credit. First semester.

Adjunct Professor Sponsler

16. Forest Mensuration—15 continued. Second semester.

Adjunct Professor Sponsler

17. Forest Policy—Forestry methods in foreign countries and in the United States. State and national activity as to public and private holdings; taxation, benefits, fire laws, working forces, achievements. Includes 17a. Two hours attendance. Four hours preparation. Two hours credit. First semester.

Professor Phillips

17a. State Forestry—Special state problems; management of state reserves; marking timber, trespass, timber sales. Ten to fifteen lectures. Second semester.

Mr. Moody

19. Forest Management and Valuation—Preparation of working plans for private, state and national holdings; valuation of forest soils and forest growth; administration, regulation of forests, and forest finance. Three hours attendance. Six hours preparation. Three hours credit. First semester.

Professor Phillips, Adjunct Professor Sponsler

20. Forest Management and Valuation—19 continued. Second semester.

21. **Thesis**—Subject for thesis is to be selected upon recommendation of the head of the department. Consultation hours to be arranged. Six hours preparation. Two hours credit. First semester

Professor Phillips, Adjunct Professor Sponsler

22. **Thesis**—21 continued. Second semester.

23. **Silvicultural Problems**—A definite problem will be assigned to each student. A written report is required upon completion of the work. Consultation hours to be arranged. Six to twelve hours laboratory. Two to four hours credit. First semester.

Professor Phillips, Adjunct Professor Sponsler

24. **Silvicultural Problems**—23 continued. Second semester.

25. **Wood Structure Problems**—Special problems in wood structure will be assigned to students. Written reports are required. Consultation hours to be arranged. Six to twelve hours laboratory. Two to four hours credit. First semester.

Adjunct Professor Sponsler, Professor Phillips

26. **Wood Structure Problems**—25 continued. Second semester.

29. **Seminar**—Special phases of forestry with detailed reports by students. Current literature in forestry, forest botany, lumbering. Two hours attendance. Two hours library work. No credit. First semester.

Professor Phillips, Adjunct Professor Sponsler

30. **Seminar**—29 continued. Second semester.

Botany 35. **Dendrology**—Brief review of the morphology and physiology of the tree. Forest regions, forest types, and forest trees of North America. Distribution. Economic importance. Detail study of dendrological and silvical characteristics of about one hundred important forest trees. Two hours attendance. Four hours laboratory and field work. Two hours credit. First semester.

Adjunct Professor Sponsler

Botany 36. **Dendrology**—35 continued. Three hours attendance. Six hours laboratory and field work. Three hours credit. Second semester.

Botany 37. **The Study of Woods**—A study of the structure of the important woods leading to their identification and to the relation of structure to strength, weight, shrinkage, and other physical properties. Primarily for foresters. Engineers may elect this course for two hours credit after consultation with the instructor. Two hours attendance. Six hours laboratory. One hour reading. Three hours credit. First semester.

Adjunct Professor Sponsler

Civil Engineering 30. **Forest Survey**—Designed for students of forestry. Prerequisite: Civil Eng. 5, 5a. Field and map work. Three hours credit. Second semester.

Professor Bridgman

Applied Mechanics 20. **Timber Physics**—Physical properties of timber. Primarily for forestry students. Prerequisite: Study of Woods (Botany 37). One hour attendance. Six hours laboratory. Three hours credit. Second semester.

Professor Chatburn

Zoology 32. Forest Zoology—Life history and habits of animals, exclusive of insects, which affect the forest. Methods of control. Prerequisite: Zoology 1. Two hours attendance. Four hours laboratory and field work. Two hours credit. Professor Wolcott

Botany 25. Forest Mycology—Detailed study of the fungi which attack forest trees. Two hours attendance. Six hours laboratory and field work. Two hours credit. First semester. Assistant Professor Pool

Entomology 11. Forest Entomology—Insects of the forest. This course is intended for forestry students. Two hours lectures. Four hours laboratory. Second semester. Professor Bruner

American History 10. Public Lands—Disposal and settlement of public lands. Two hours attendance. Four hours preparation. Two hours credit. Second semester. Associate Professor Persinger

SCHOOL OF AGRICULTURE COURSES

A. Farm Forestry—Relation of forest to agriculture. Wind-breaks, shelter-belts, and forest plantations. Methods of propagation, planting, and protection. Two hours attendance. Four hours library and field work. Two hours credit. Second semester.

Professor Phillips, Adjunct Professor Sponsler

B. Farm Forestry—An adaptation of course A for students in the short course of the School of Agriculture. Sixteen lectures.

Professor Phillips, Adjunct Professor Sponsler

GEOGRAPHY AND ECONOMIC GEOLOGY

Professor Condra, Assistant Professor Loveland, Adjunct
Professor Bengtson

The Agricultural subjects of this department are: Courses 1, 2, 4, 5, and 28. Course 1 considers the origin and description of land forms. Number 2 treats the structure, climate, topography, resources and industrial development of North America. It emphasizes the control of the various soil regions. Number 4, the geography and meteorology of the atmosphere, is especially designed to meet the need of agricultural students. Industrial Geography, Course 5, is planned for students who wish a detailed description of certain agricultural resources and industries. Course 28 gives only those geological facts which are of importance to students of this College.

1. Physical Geography of the Land—A practical course consisting of illustrated lectures, laboratory exercises and readings. Lecture topics: structure and relief features; maps and globes; origin of plains, plateaus and folds; wind erosion; dust and dunesand; sandhills and deserts; ground water; land slides, talus cones and slopes; rivers and the factors which influence them; development and classification of valleys; origin and classification of land forms produced by river erosion of plains, plateaus and folds; deltas, flood plains, fans and terraces; work of snow and ice; moraines, drumlins and till plains; topographic effects of earthquakes and volcanoes; lava plateaus. The course considers physiographic processes and

their resulting land forms together with some of the influences which these bear to life and industry. The laboratory subjects are: minerals and rocks; wet laboratory experiments; maps, folio, atlas, and model interpretations and studies. Two hours attendance. Four hours laboratory and preparation. Two hours credit. First semester.

Professor Condra, Adjunct Professor Bengtson

2. North America—The leading geographic conditions such as structure, topography, harbors and coast line, climate, and the natural resources are treated with considerable detail in their relation to the industrial, political, and social development of the topographic regions and countries. Most time is given to the United States and Mexico. Considerable attention is given to the geography of Nebraska and to the physiographic development of the natural gateways or routes which lead into and across the continent. Lectures fully illustrated. Laboratory studies based on topographic and physical maps, climatic charts, atlases, and models. Attendance two hours. Laboratory, library and preparation four hours. Two hours credit. Second semester.

Professor Condra, Adjunct Professor Bengtson

4. The Atmosphere—A study of meteorology and geography of the atmosphere designed to meet the practical needs of students. Some of the topics considered are: The physical and chemical nature of the atmosphere; distribution of heat and atmospheric pressure; wind systems; humidity and rainfall; storms; hot winds; changes and fluctuations of climate; climatology in its relation to deserts, prairie land, forests, agriculture, and distribution of people. Students are taught the construction of weather maps and climatic charts; forecasting; and the use and care of meteorological instruments. Experiments of various kinds are performed in the wet laboratory. Two hours attendance. Four hours laboratory and preparation. Two hours credit. Second semester.

Assistant Professor Loveland, Adjunct Professor Bengtson

5. Industrial Geography—This course gives a review of the natural resources and their conservation, and a specific study of mineral fuels, iron and steel, water power, cotton, rice, the sugars, coffee and tea, wheat, corn. The instruction is made concrete by the use of well selected sets of lantern slides which show the leading processes and commercial movements of each industry. Commercial raw materials are shown by museum specimens and excursions are made to local industries. Two hours attendance. Four hours museum, library and preparation. Two hours credit. First semester.

Professor Condra, Adjunct Professor Bengtson

21. Field Geology—This course consists of excursions to outcropping formations, quarries, gravel pits and sand dredges along Salt Creek, Blue River and the Platte. It teaches methods of doing field work and how to use the aneroid barometer, level, transit, plane table, camera and drawing materials as employed on geological and soil surveys. Mapping and descriptions. Collateral readings. One or two hours credit. First and second semesters.

Adjunct Professor Bengtson

22. Field Geology—21 continued. First and second semesters.

Professor Condra

28. Agricultural Geology—Leading geologic structures; soil forming, road and cement-making minerals and rocks; rock weathering; land erosion; ground water; rural water supplies; evolution of farm animals as shown by museum fossils; structure and soil regions of Nebraska; the agricultural importance of the "Red bed," "Pierre, Bad land, Loup Fork, glacial, loess, alluvial and dunesand formations." Two hours attendance. Four hours laboratory, field and preparation. Two hours credit. Second semester.

Professor Condra, Adjunct Professor Bengtson

HORTICULTURE

Professor Emerson, Adjunct Professor Westgate, and Adjunct Professor Howard

GENERAL INFORMATION

The laboratories in Horticultural Hall are provided with charts, models, and specimens illustrating various phases of horticulture. They accommodate thirty students at a time. Greenhouse room is available for the plants used in experimental work. A small nursery in the horticultural grounds furnishes much of the material used in the laboratory and at the same time illustrates practical methods of propagating various plants. The orchards, vineyards and small fruit gardens of the Experiment Station afford practice work in pruning and training fruits and present the opportunity for comparison of various cultural methods. The farm campus and newly established arboretum furnish very good material for the study of landscape gardening. A limited number of advanced students who desire to fit themselves as teachers or investigators will be employed at a moderate compensation to assist in the laboratory of the School of Agriculture during the winter or to help in the experimental work of the Experiment Station during the summer. The investigations now being conducted by the department on the subject of heredity afford especially favorable opportunities to graduate students.

Botany 1 and 2 should precede all college courses in horticulture and must precede courses 7 and 8. All college courses are open to women as well as to men, but course 6 is especially recommended to women. Courses 5, 9 and 10 are open only to students specializing in horticulture. Students taking course 9 or 10 will ordinarily find it necessary to be at the Experiment Station during the summer.

PRIMARILY FOR UNDERGRADUATES

1. Plant Propagation—The multiplication of plants by means of seeds, bulbs, tubers, layers, cuttings, grafts, etc. Growing, packing, storing, and shipping nursery stock. Two hours attendance. Three hours laboratory. Two hours library. Two hours preparation. Three hours credit. First semester.

Adjunct Professor Westgate

2. Orcharding—A detailed consideration of orchard management. The tree fruits grown in Nebraska are studied according to the following scheme: Selection of varieties, choice of site, preparation of the land, planting,

cultivation, covercrops, fertilizers, wind-breaks, pruning, spraying, protection from frost, harvesting, packing, storing, marketing; renovating old orchards. Three hours attendance. Two hours laboratory. Two hours library. Two hours preparation. Three hours credit. Second semester.

Adjunct Professor Howard

3. **Apple Judging**—A study of fall and winter varieties of apples adapted to Nebraska. Practice in judging with and without score cards, identifying and describing varieties, preparing exhibits, packing and storing, etc. One hour attendance. Four hours laboratory. One hour library. Two hours credit. First semester.

Adjunct Professor Howard

4. **Fruit and Vegetable Gardening**—Small fruits adapted to Nebraska are considered according to the scheme outlined for tree fruits in course 2. A part of the time will be devoted to a consideration of the more important garden vegetables. Three hours attendance. Two hours laboratory. Two hours library. Two hours preparation. Three hours credit. Second semester.

Adjunct Professor Howard

5. **Floriculture**—The production of flowers both indoors and outdoors for home use and for market. Particular attention will be given to the construction and management of greenhouses. Two hours attendance. Four hours laboratory. Two hours library. One hour preparation. Three hours credit. First semester.

Adjunct Professor Westgate

6. **Ornamental Gardening**—A consideration of the principles of landscape gardening with practice in landscape designing. A study of ornamental trees, shrubs and other plants adapted to planting in Nebraska; their classification, culture, and decorative value. Two hours attendance. Two or four hours laboratory. One hour or two hours library. One hour preparation. Two or three hours credit. Second semester.

Adjunct Professor Westgate

FOR UNDERGRADUATES OR GRADUATES

7. **Principles of Plant Breeding**—An elementary study of the principles underlying plant improvement, including simple discussions of the following: How plant characters arise and disappear, sports or mutations, bud variation. How characters are inherited, alternate versus blended inheritance. Mendelian and non-Mendelian inheritance. Appearance and inheritance of latent characters. Reversion. Correlation of characters in inheritance. Degree of development of characters, or fluctuation due to environment. Adaptation. Statistical study of fluctuations. Inheritance of fluctuations. Effect of selection in modifying the type of self- and open-pollinated plants. Pure lines. Mass selection versus isolation of biotypes. Pedigree breeding. Hybridization as a means of combining desirable parent characters. Inbreeding. Students will study and classify variations in wild and cultivated plants, prepare a herbarium of variations, practice hybridizing plants, and study hybrid material in the greenhouse and laboratory. Two hours attendance. Two hours laboratory. One hour library. One hour preparation. Two hours credit. First semester.

Professor Emerson

8. **Genetics**—Current theories of variation and heredity; their bearing upon plant breeding. A critical study of the published results of recent investigations. Assigned readings and consultation. Six or nine hours library. Two or three hours credit. Second semester.

Professor Emerson

9. **Horticultural Problems**—The study of assigned problems in plant breeding or in the production of horticultural crops. In the main only problems closely related to the investigations being conducted in the Experiment Station will be assigned. Laboratory or field work with assigned readings, consultation, and the preparation of a satisfactory thesis. Five to twelve hours laboratory. One to three hours library. Two to five hours credit. First and second semesters.

Professor Emerson

10. **Horticultural Problems**—Continuation of 1. First and second semesters.

SCHOOL OF AGRICULTURE COURSES

Courses A and B are for first-year men, courses C and D for second-year women, courses E and F for regular fourth-year men and irregular third-year men.

A. **Orcharding**—The management of both home and commercial orchards, including the propagation, culture, harvesting, storing, and marketing of such tree fruits as apple, pear, cherry, plum, and peach. Three hours attendance. Two hours laboratory. First semester.

Adjunct Professor Westgate

B. **Small Fruits**—A study of such fruits as the strawberry, blackberry, raspberry, gooseberry, currant, and grape. Each fruit is studied with reference to soil, cultivation, propagation, pruning, varieties, harvesting, marketing, etc. Two hours attendance. Two hours laboratory. Second semester.

Adjunct Professor Westgate

C. **Home Horticulture**—The home orchard and garden. The principles of ornamental gardening as applied to the home. Two hours attendance. Two hours laboratory. First semester.

Adjunct Professor Westgate

D. **Home Horticulture**—Continuation of C. Second semester.

E. **Ornamental Gardening**—The general principles of ornamental gardening; methods and plans for ornamenting the farm home, city lot, etc. Two hours attendance. Two hours laboratory. First semester.

Adjunct Professor Westgate

F. **Vegetable Gardening**—General cultural requirements of our common vegetable crops. Two hours attendance. Two hours laboratory. Second semester.

Adjunct Professor Westgate

HOME ECONOMICS

Professor Bouton, Associate Professor Folger, Miss Denny,
Miss Harper, Miss Nesbitt, Miss Hedges

GENERAL INFORMATION

The purpose of the department of Home Economics is to give instruction in branches which have to do with the welfare of the home. Training is provided in domestic science and art, and in household administration. Under these general divisions are studied: food, textiles and clothing; the house, its furnishing and the management of the work done therein. All these branches are considered in their relation to the family and the individual, with special emphasis on those phases which have to do with the health and comfort of the individual. Special attention is given to artistic, economic and sociological questions which form a legitimate part of the work.

Instruction is given by the lecture laboratory method.

For a major in Home Economics the following courses are required: 1, 2, 3, 4, 5, 6, 9, 10, 13 and 14; for a minor, courses 1, 2, 3, 4, 5 and 6. The use of these courses as a major is conditional on the completion of Chemistry 1, 2, 3 and 14.

THE UNIVERSITY TEACHERS' CERTIFICATE IN HOME ECONOMICS

See statement under "Requirements for Graduation," page 16.

PRIMARILY FOR UNDERGRADUATES

1. Sewing and Design—Drafting, cutting and making of garments. Textiles, their manufacture, qualities and value. Home decoration, color, design, material, etc. Two hours attendance. Six hours laboratory. One hour outside preparation. Three hours credit. First semester.

Professor Bouton, Miss Denny

2. Sewing and Design—1 continued. Second semester.

3. Foods: Selection and Preparation—Composition and function of typical foods; fundamental principles and processes of cooking and their application in the preparation of individual dishes; nutritive and money values. Should be preceded by Chemistry 1 and 2. Three hours attendance. Six hours laboratory. Three hours credit. First semester.

Associate Professor Folger, Miss Nesbitt

4. Foods: Selection and Preparation—3 continued. Second semester.

11. General Cookery—For juniors and seniors who desire some work in cookery, but have not the time for Courses 3, 4, 5 and 6. General principles and methods of cooking; lessons in serving. Two hours attendance. Four hours laboratory. Two hours credit. First semester.

Associate Professor Folger, Miss Harper

12. General Cookery—11 continued. Second semester.

15. Elementary Cookery—For students who have no preparation in chemistry. One hour attendance. Three hours laboratory. Two hours outside preparation. Two hours credit. First semester.

Associate Professor Folger, Miss Nesbitt

15a. Similar to 15—Given on Saturday morning for public school teachers. Three hours laboratory. One hour credit. First semester.

Associate Professor Folger, Miss Nesbitt

16. Elementary Cookery—15 continued. Second semester.

16a. Similar to 15—15a continued. Second semester.

FOR UNDERGRADUATES AND GRADUATES

5. Advanced Cookery—Application of scientific principles to more elaborate dishes and to menus. Preservation of foods; serving of meals. Two hours attendance. Six hours laboratory. Two hours credit. First semester.

Associate Professor Folger, Miss Nesbitt

6. Advanced Cookery—5 continued. Second semester.

5a. Dietetics—To be taken with course 5. Consideration of problems of digestion and metabolism. Study of dietaries of given cost and their adaptation to varying conditions of health, age, environment, etc. Diet of children; family dietaries; diet of invalids. One hour attendance with assigned readings. One hour credit. First semester. Associate Professor Folger

6a. Dietetics—5a continued. Institutional and special dietaries. Second semester.

[7. Industrial Art—Home decoration and advanced sewing; principles of design in dress and in house furnishing. Two hours attendance. Six hours laboratory. One hour outside preparation. Three hours credit. First semester. Miss Denny]

8. Industrial Art—7 continued. Second semester.

9. Household Administration—House plans and furnishings; ventilation, heating, lighting, water supply, disposal of waste; management of household affairs, division of income, domestic service, and home nursing; house practice, including all processes of practical housekeeping. Two hours attendance. Two hours laboratory. Two or five hours outside preparation. Two or three hours credit. First semester. Professor Bouton

10. Household Administration—9 continued. Second semester.

13. Teachers' Course—Required of candidates for the University Teachers' Certificate in Home Economics. Lectures with practice work in Teaching. Two hours attendance. Four hours outside preparation, including practice teaching. Two hours credit. First semester.

Professor Bouton, Associate Professor Folger

14. Teachers' Course—13 continued. Second semester.

17. Wood Work and Interior Finish—(See Agricultural Engineering 5.)

18. Wood Work and Interior Finish—17 continued. Second semester.

SCHOOL OF AGRICULTURE COURSES

A. Sewing and Design—Hand and machine sewing, making of garments, study of form and color as applied in house furnishing; practice in house work. Three hours attendance. Six hours laboratory. Three hours credit. First semester. Professor Bouton, Miss Hedges

B. Sewing and Design, House Practice—A continued. Second semester.

C. Elementary Cookery—Composition and preparation of food with a study of its relation to healthful living; house practice. Three hours attendance. Six hours laboratory. Three hours credit. First semester. Miss Harper and Assistant

D. Elementary Cookery, House Practice—C continued. Second semester.

E. Advanced Cookery—Preparation and serving of meals; food for the sick; house practice. Three hours attendance. Six hours laboratory. Three hours credit. First semester. Miss Harper and Assistant

F. Advanced Sewing—Drafting, cutting and making of garments, including shirt waist suit; application of design in stenciling; house practice continued. Three hours attendance. Six hours laboratory. Three hours credit. Second semester. Miss Denny and Assistant

G. Household Management—House planning and furnishing; home sanitation; domestic service and finance. One hour attendance. Three hours laboratory. Two hours outside preparation. Two hours credit. First semester. Professor Bouton and Assistant

H. Dressmaking—The designing and making of dresses. One hour attendance. Two hours outside preparation. Two hours laboratory. Two hours credit. Second semester. Miss Denny

MILITARY SCIENCE AND TACTICS

[See College of Arts and Sciences]

PHYSICAL EDUCATION

[See College of Arts and Sciences]

The United States Agricultural Experiment Station for Nebraska

CONTENTS

	PAGE
Governing Board (The University Board of Regents).....	282
Officers of the Station.....	282
The Working Staff.....	282
The Central Experiment Station.....	284
The Experimental Substations.....	285
Experiment Station Bulletins.....	286

GOVERNING BOARD OF THE EXPERIMENT STATION

(The University Board of Regents)

Officers

Hon. Charles Sumner Allen, President
James Stuart Dales, Secretary

HON. CHARLES SUMNER ALLEN.....	Lincoln
HON. WILLIAM GUNN WHITMORE.....	Valley
HON. VICTOR GERALD LYFORD.....	Falls City
HON. CHARLES BARNEY ANDERSON.....	Crete
HON. GEORGE COUPLAND	Elgin
*HON. FRANK LOUIS HALLER.....	Omaha

OFFICERS OF THE EXPERIMENT STATION

EDGAR ALBERT BURNETT, B. Sc., Director.

JAMES STUART DALES, M. Ph., Financial Secretary.†

WILLIAM WARNER MARSHALL, Executive Clerk

THE WORKING STAFF

EDWIN MEAD WILCOX, Ph. D., Agricultural Botany.

FREDERICK JAMES ALWAY, Ph. D., Agricultural Chemistry.

LEON WILSON CHASE, B. Sc. in M. E., Agricultural Engineering.

CHARLES W. PUGSLEY, B. Sc., Agronomy and Farm Management (Soils).

HOWARD REMUS SMITH, B. Sc., Animal Husbandry.

JAMES HARRISON GAIN, M. D. C., Animal Pathology.

ARCHIBALD LOUIS HAECKER, B. Sc. A., Dairy Husbandry.

LAWRENCE BRUNER, B. Sc., Entomology.

EDWARD GERRARD MONTGOMERY, A. M., Experimental Agronomy.

FRANK J. PHILLIPS, A. B., B. Sc., M. S. F., Forestry.

ERWIN HINCKLEY BARBOUR, Ph. D., Geology.

* Elected in 1909 to serve unexpired term.

† By an act of the Legislature of the state of Nebraska, approved and in effect February 5, 1899, the state treasurer became *ex officio* custodian of the experiment station fund on and after July 1, 1899.

- GEORGE RICHARD CHATBURN, A. M., Highway Engineering.
ROLLINS ADAMS EMERSON, B. Sc., Horticulture.
OSCAR VAN PELT STOUT, C. E., Irrigation Engineering.
GEORGE ANDREW LOVELAND, B. S., LL. B., Meteorology.
WILLIAM PATTON SNYDER, M. S., Superintendent Experimental Substation, North Platte.
G. HERBERT COONS, A. B., Assistant in Agricultural Botany.
VENUS WORRELL POOL, A. M., Assistant in Agricultural Botany.
ROBERT SAMUEL TRUMBULL, A. M., Assistant in Agricultural Chemistry.
PERCY BONSFIELD BARKER, A. B., Assistant in Soils.
THEODORE ALEXANDER KIESSELBACH, B. Sc., A. B., Assistant in Crop Agronomy.
LAZELLE BRANTLEY STURDEVANT, A. M., Assistant in Animal Pathology.
MYRON HARMON SWENK, A. M., Assistant in Entomology.
ROBERT FRANCIS HOWARD, B. S. in Agr., Assistant in Horticulture.
WILLIAM WESLEY BURR, B. Sc., Assistant in Soils and Crops, North Platte; Assistant Agriculturalist, Office Dry Land Agriculture, U. S. Department of Agriculture.
JAMES COWAN, Superintendent Experimental Substation, Valentine.
*FRITZ KNORR, B. Sc., Superintendent Experimental Substation, Mitchell.
SENATOR WILLIS PERIN, Farm Superintendent.
ERWIN HOPT, B. Sc., Assistant in Agronomy (Crops).
*LOUISE M. ALLEN, A. M., Scientific Assistant, Seed Testing.

* Detailed by the United States Department of Agriculture.

THE CENTRAL EXPERIMENT STATION

The Nebraska Agricultural Experiment Station, carried as a department of the College of Agriculture of the University of Nebraska, is maintained from funds appropriated by Congress, supplemented by state appropriations. Under the provisions of the Hatch Bill, each state and territory that had established an agricultural college under the land grant act of 1862 was offered funds to establish, in connection therewith, an agricultural experiment station. Nebraska assented to the conditions and was one of the states to receive immediate benefits from the act.

The work contemplated by the law providing for these experiment stations is set forth as follows in section 2 of the act establishing the station:

SECTION 2. That it shall be the object and duty of said experiment stations to conduct original researches or verify experiments on the physiology of plants and animals; the diseases to which they are severally subject, with the remedies for the same; the chemical composition of useful plants at their different stages of growth; the comparative advantages of rotative cropping as pursued under the varying series of crops; the capacity of new trees or plants for acclimation; the analysis of soils and water; the chemical composition of manures, natural or artificial, with experiments designed to test their comparative effects on crops of different kinds; the adaptation and value of grasses and forage plants; the composition and digestibility of the different kinds of food for domestic animals; the scientific and economic questions involved in the production of butter and cheese; and such other researches or experiments bearing directly on the agricultural industry of the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective states and territories.

On March 16, 1906, an act known as the Adams act became effective, granting increased support to the Experiment Station for purely technical investigations along the lines mentioned in the Hatch act under which the Experiment Station was established, and since the acceptance of this fund the Experiment Station has been conducting these technical lines of investigation in accordance with the act.

The central experiment station is located at the University Farm, except the Finance Office, which is located at the University campus. The farm comprises a tract of 320 acres located three miles east of the University, having street car connections. About one hundred acres is now laid off in experiment plats for field crops, fruits, and vegetables. The animals used for experiment are in a measure furnished from the herds of cattle, sheep and hogs used for instructional purposes. The offices of the Director and

of the departments of Animal Husbandry and Agricultural Botany, the laboratories for investigation in Agricultural Botany and the Agricultural Library, are in Agricultural Hall. The offices of the departments of Experimental Agronomy and of Instructional Agronomy and Farm Management, also of Agricultural Chemistry and Entomology, and the laboratories for investigation in these lines are in Experiment Station Hall. The Departments of Horticulture, Dairy Husbandry and Animal Pathology have separate buildings.

THE EXPERIMENTAL SUBSTATIONS

North Platte Substation. The Experimental Substation provided for by the Legislature of 1903 is located in Lincoln County, three miles south of North Platte, on a tract of 1,920 acres. This farm contains 270 acres of bench land with an elevation of about 2,800 feet. About 140 acres of this farm is level table-land with an elevation of 3,000 feet, the balance of the farm being rough canyon and table-land devoted to pasture. The experiments in crop and animal production upon this farm are comparable with nearly all the crop production and animal industry of central Nebraska. Experiments in crop production are conducted entirely without irrigation.

Valentine Substation. The Legislature of 1909 provided for an additional substation west of the second guide meridian and north of the sixth standard parallel, also a substation in cooperation with the U. S. Department of Agriculture west of the 102d meridian where experiments should be conducted both with and without irrigation. The first of these substations has been located at Valentine, Nebraska, upon a portion of the military reservation adjoining the town to the southeast upon which a permanent lease has been given to the regents of the University so long as the land is used for experimental purposes. This site is section 32 and the west half of section 33 and that part of the southeast quarter of section 33 lying northwest of the Niobrara River, all in township 34 north, range 27 west, in Cherry County, Nebraska.

Scottsbluff Substation. The second substation to be operated in cooperation with the U. S. Department of Agriculture and known as the Scottsbluff station is located on the southeast quarter of section 21, township 23 north, range 57 west. This station is being put in condition for experimental work with the end in view that something may be accomplished the first year.

EXPERIMENT STATION BULLETINS

Each year the station publishes at least four bulletins. These contain results of investigations in subjects pertaining to farming. They are sent free to anyone who requests them. The edition of each bulletin is 20,000 or more copies. An annual report, 5,000 copies, is published containing a summary of the work of the year and experimental results of interest to investigators. The publications of the station issued since those reported in the last calendar are the following:

Bulletin No. 111. Changes in the Composition of the Loess Soils of Nebraska Caused by Cultivation. By F. J. Alway. Distributed December 5, 1909; 25,000 copies.

Bulletin No. 112. Experiments with Corn. By E. G. Montgomery. Distributed December 15, 1909; 25,000 copies.

Bulletin No. 113. Oats. By E. G. Montgomery. Distributed February, 1910; 25,000 copies.

Bulletin No. 114. Storing Moisture in the Soil. By W. W. Burr. In press.

Press Bulletin No. 31. Production of Hog Cholera Serum. By J. H. Gain. Distributed December 15, 1909; 20,000 copies.

Twenty-third Annual Report. Presented to the Governor February 1, 1910.

The Experiment Station desires to assist the farmers of the state in solving many of the difficult and perplexing problems that affect our agricultural production and to this end is carrying on investigations along lines that aid the practical farmer. The co-operation of all who are interested in the improvement of agricultural practice is invited.

The College of Law

CONTENTS

	PAGE
Officers of Administration and Instruction.....	288
The College of Law.....	289
Courses and Degrees.....	289
Admission to the College of Law.....	289-292
Fees and Expenses.....	293
Requirements for Graduation.....	293
Admission to the Bar.....	294
Course of Instruction.....	295-299
Practice and Practice Courts.....	299
College of Law Lecture Course.....	300
Method of Instruction.....	300
Prizes and Honors.....	301, 302
Advantages and Privileges.....	302

OFFICERS OF ADMINISTRATION AND INSTRUCTION

SAMUEL AVERY, Ph.D., LL.D., Chancellor of the University.

JAMES STUART DALES, M. Ph., Treasurer of the University.

PHILIP JOHN HARRISON, A. B., Registrar and University Publisher.

WILLIAM GRANGER HASTINGS, A. B., Dean of the College of Law and
Professor of Law. University Hall 310.

HENRY H. WILSON, A. M., LL. M., Professor of Law. University Hall
308.

EDWIN MAXEY, Ph. M., D. C. L. Professor of Public Law and Diplo-
macy. University Hall 308.

ERNEST BANCROFT CONANT, A. B., LL. B., Professor of Law. Uni-
versity Hall 308.

CHARLES AUGUSTUS ROBBINS, Ph. M., LL. B., Professor of Law.
University Hall 310A.

JOHN JAMES LEDWITH, B. Sc., LL. B., Instructor of Law. University
Hall 310A.

GEORGE LOUIS DELACY, LL. B., Assistant Instructor of Law. Uni-
versity Hall 310A.

SAMUEL JOHNSON TUTTLE, A. M., LL. B., Ex-Judge of the District
Court; Instructor in Real Property, Lecturer on Land Titles. Burr
Block.

ADDISON SEABURY TIBBETS, B. C. E., Ex-Judge of the District Court;
Lecturer on Professional Ethics. Richards Block.

CLAUDE COPLEY FLANSBURG, Lecturer on Advocacy. Funke Build-
ing.

WALLACE RUTHERFORD LANE, LL. B., Lecturer on Patent, Copyright
and Trade Mark Law. Des Moines, Ia.

THE COLLEGE OF LAW

As a place for study, the modern law school has great superiority over the law office. Experience has shown that in the large majority of cases the preparation of those who study in law offices is very imperfect, both as to the work accomplished and as to the methods employed. Among law schools, moreover, those which form part of a university community offer many advantages in the way of free lecture courses, opportunities for pursuing kindred studies, general library facilities, students' societies and clubs not to be had in an independent law school or in a university law department which is located apart from the university's other schools and colleges. The College of Law of the University of Nebraska is a modern law school in the center of a large and growing university community.

COURSES AND DEGREES

Three-Year Course. Three years of undergraduate work in the College of Law are necessary for the degree of Bachelor of Law.

Six-Year Combined Academic and Law Course. Fourth-year students in the College of Arts and Sciences may elect courses in the department of Jurisprudence and Public Law which count towards the degree of Bachelor of Laws, and not to exceed twelve hours a week each semester of the first-year studies in the College of Law. These subjects count towards the degree of Bachelor of Arts or of Bachelor of Science. By this arrangement, a student is enabled to complete a combined course of study in six years and receive the two degrees. The student expecting to take this combined course of six years must declare his intention before taking his first degree and must pay the regular fees of the College of Law.

ADMISSION TO THE COLLEGE OF LAW*

No distinction among students is made on account of sex or place of residence.

Entrance Credits. By enactment of the Nebraska Legislature, no person may be admitted to the bar without "a preliminary education, other than legal, equivalent to that involved in the completion of the first three years of a high school course accredited by the state department of public instruction." The preliminary educational requirements for admission to the College of Law are much higher. To enter the first-year class in this college each candidate must present entrance "credits" for high

* See page 29 for table of simplified entrance requirements effective September 1, 1911.

school work equal to 30 "points" or a total of 150 recitation hours.* Announcement is made that on and after September 1, 1911, the requirements will be raised to one year of college work. Conditional admission is permitted on a minimum of 24 credit points or 120 recitation hours. A student admitted conditionally must remove the conditions at the earliest possible opportunity; the degree will not be granted until such conditions are removed. Persons unable to meet the entrance requirements may be admitted as special students, not candidates for the degree. Upon fulfilling the entrance requirements, such special students may register as regular students, and become candidates for the degree. Persons presenting diplomas or certificates from recognized universities and colleges in good standing or from accredited high schools, normal schools, and academies, are admitted without examination. The requirements for entrance on certificate, on examination or partly on certificate and partly on examination, are as given below. The time element indicated with each subject is essential.

Required Subjects (10 points). Of the 30 points required for admission, 10 must be presented from the following subjects in the amount indicated:

Algebra (to simultaneous quadratics), 1 year, 5 hours a week.....	2
Geometry (plane), 1 year, 5 hours a week.....	2
†History (American or general), 1 year, 5 hours a week.....	2
†English (composition and literature), 2 years, 5 hours a week.....	4

Optional Subjects (20 points). In addition to the above required subjects, applicants for admission must present evidence of preparation in work equal to 20 credit points to be chosen from the following optional list:

Agriculture, ½ year, 5 hours a week.....	1
Algebra (simultaneous quadratics through logarithms), ½ year, 5 hours a week.....	1
†English, 1 or 2 years, 5 hours a week.....	2 to 4
French, 1 to 3 years, 5 hours a week.....	2 to 6

* A "credit point" means the work in a high-school subject of five recitations a week, of not less than 40 minutes each, during a period of at least 18 weeks.

† In preparing for entrance to the College of Law, students are urged to give their time chiefly to Latin, History, and English, since these subjects are found to be of especial value. In no case will a candidate be admitted to the College of Law whose written composition is deficient in grammar, spelling, punctuation, and paragraphing.

‡ Four optional points are granted only to schools approved by the Committee on Accredited Schools.

Geometry (solid), $\frac{1}{2}$ year, 5 hours a week.....	1
German, 1 to 3 years, 5 hours a week.....	2 to 6
Greek, 1 to 3 years, 5 hours a week.....	2 to 6
History, 1 or 2 years, 5 hours a week.....	2 to 4
*Latin, 1 to 4 years, 5 hours a week.....	2 to 8
Natural science (botany, zoology), 1 year, 5 hours a week.....	1 or 2
Normal Training	1
Physical science (chemistry, physics), 1 year, 5 hours a week, each..	1 or 2
†Senior Reviews	1
Trigonometry (plane), $\frac{1}{2}$ year, 5 hours a week.....	1
Astronomy.....	} $\frac{1}{2}$ year, 5 hours a week (not more than 4 points accepted), each..... 1
Bookkeeping.....	
Civics.....	
Geology.....	
Physical Geography.....	
Physiology and Hygiene....	}
Political Economy.....	

Advanced Standing. A credit hour is given for a subject carried one hour a week for a semester. Thus, "Contracts" counts six credits, "Torts" four credits, etc. Applicants possessing the required preliminary education are admitted to advanced standing as follows:

To the Second-year Class.—(1) Any person at least nineteen years of age who has attended for one year another law school having an approved course equivalent to the first-year course in this College and who upon examination obtains at least twenty-four credits. (2) Any person who has received the bachelor's degree from one of the general colleges of the University and has completed work in the College of Law equal to at least twenty-four credits.

To the Third-year Class.—Any person at least twenty years of age, who has attended for two years an approved law school, and who upon examination obtains a total of at least fifty credits. The degree of Bachelor of Laws is not conferred on persons who have not attended approved law schools three years, including at least full attendance for the last year at this College.

To Advanced Credit in General.—At the discretion of the Dean of the College of Law, credit may be given without examination for work satisfactorily completed at other approved law schools offering courses equal to those given in this school, but in no case will credit be given except upon presentation of a certificate for work in residence at an approved law school. A student who has been allowed credit in any course, and who fails on any

* See second note at bottom of page 290.

† Credit granted only to graduates of Normal Training High Schools.

of the examinations which he has been required to take in other courses for which he has not been allowed credit, may be required to take any or all of the work for which credits have been allowed. Students who apply for advanced standing on examination are charged an examination fee of \$10.

Adult Special Students. Persons of suitable preliminary training, not candidates for a degree, may be admitted at any time, without examination upon payment of the required fees. They must first make application to the Registrar as in the case of regular students. Persons preparing for the state bar examinations and business men not intending to practice law as a profession are admitted as such special students. The same diligence, industry, punctuality and proficiency are required of special students as of candidates for the degree. Students are not permitted to abuse this privilege of special registration by making it a means of securing merely nominal membership in the University, whether for social or athletic purposes or for any other reason.

Registration. Registration in the College of Law takes place on the first five days of each semester, from 9 a. m. Tuesday to 5 p. m. Saturday.* To promote prompt registration, a special fee of \$3 is charged a student who, unless excused by the Chancellor, for any reason seeks to register later than the regular days set aside for this purpose. A like fee is charged for re-registration if made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration. A student changing from one college to another must pay a new matriculation fee of \$5 and no student is permitted to change from one college to another without written permission to the Registrar from the dean of each college concerned. Students may not attend classes for which they are not registered, and credit is not given for studies pursued without registration. Any change in a student's residence must be reported immediately to the Registrar. When a student in good and honorable standing finds it necessary to withdraw from the University before the close of the semester, the Registrar grants him, upon application, permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

Student Adviser. The Dean of the College is the students' adviser. He has daily consultation hours when students may call seeking advice and

* Graduate students and city teachers may register at any time until the end of the week following the regular registration days.

encouragement in their work. Leave of absence for a brief period is granted a student by the Dean. This leave is merely a justification for the absence and is not an excuse from any work.

FEES AND EXPENSES.

Fees must be paid upon registration, to the Treasurer. No part of the fees can be refunded to a student after the beginning of the fourth week of a semester. Any refunds should be called for at the time of withdrawal from a class or from the University. No extra fees are charged to students from other states. No student may enroll in classes or take any private examination until his fees are paid. The schedule of fees in the College of Law is as follows:

Matriculation fee (payable only on first registration).....	\$5
Library fee, each semester.....	1
Diploma fee	5
Diploma fee, <i>in absentia</i> , additional.....	10

Tuition fees:

Annual tuition, payable \$25 for the first semester and \$20 for the second semester.....	45
For one semester only.....	25
Special students, for one topic, each semester.....	12

Examination fees:

For advanced standing.....	10
For all who require special examination.....	2

Expenses. The cost of table board to students in Lincoln ranges from \$3.50 to \$5 a week. The cost of lodging ranges from \$2.50 to \$10 a month, the usual cost being from \$4 to \$5 where two students occupy the same room. The usual cost of combined board and lodging is from \$18 to \$20. A student in a city the size of Lincoln has many opportunities to secure employment by which he may defray at least part of his expenses. The authorities of the College do not, however, undertake to find employment for students. The Registrar's Office, in connection with the Young Men's Christian Association of the University, maintains an employment bureau.

REQUIREMENTS FOR GRADUATION

Regular students who have completed the course of instruction to the satisfaction of the faculty of the College of Law and the Board of Regents of the University receive the degree of Bachelor of Laws. Students whose time and means do not permit them to complete the course receive certificates of proficiency according to the merit and extent of their work.

ADMISSION TO THE BAR

Under the statutes of Nebraska, admission to the bar is to be had in the Supreme Court only, and is governed by rules established by that Court. The statutes now provide as follows: "No person shall be admitted to the bar unless such person is at least twenty-one years of age and of good moral character, and unless such person either (1) has had a preliminary education, other than legal, equivalent to that involved in the completion of the first three years of a high-school course accredited by the State Department of Public Instruction, and has regularly and attentively studied law in a reputable law school or in the office of a practicing attorney, or partly in such school and partly in such office, for a period of at least three years, at least one year of which office study shall have been passed in a law office in this state, and shall pass a satisfactory examination upon the principles of the common law, equity, criminal law, statutes and practice of this state; or (2) is a regular graduate of the College of Law of the University of Nebraska, or of such other college of law of this state having entrance requirements and a course of study equal to and equivalent to those of the law school of the University of Nebraska as the Supreme Court shall, upon application and showing, designate as a College of Law whose graduates shall be entitled to admission without examination; Provided, that such other College of Law shall be a member of the Association of American Law Schools. Provision shall be made by rule of court for the registration of students in law offices in this state at the beginning of their respective terms of study in the office of the clerk of the Supreme Court or the office of the clerk of the District Court in the county in which any such law office is located." The College of Law of this University is a member of the Association of American Law Schools and graduates of the College of Law are admitted to practice in Nebraska on motion without examination other than that sustained prior to graduation.

COURSE OF INSTRUCTION

The course of instruction in the College of Law extends through three years of thirty-six weeks each exclusive of vacations. The design of the course is two-fold: (1) To afford the training in the fundamental principles of the common law essential to the practice of the profession in any jurisdiction where that system obtains. (2) To acquaint the student with the special subjects of immediate or local importance in Nebraska and neighboring states and to instruct him thoroughly in the peculiarities of substantive law and procedure in those jurisdictions, so as to enable him to enter upon the practice understandingly at once, without any further term of practical instruction in an office. In addition, bearing in mind the extent to which the legislative and executive departments are recruited from the bar, and the part which the profession must take in legislation of all kinds, as well as in the progress and reform of the law, it is designed to stimulate an intelligent and enduring interest in the history and science of law, in order to make not merely practitioners, but lawyers in the fullest sense. The following program of study is made with these ends in view:

REQUIRED COURSES

FIRST YEAR—FIRST SEMESTER

Common-Law Pleading—Ames' *Cases on Pleading*. Two hours attendance. Two hours credit. Professor Conant

Contracts—Williston's *Cases on Contracts*. Three hours attendance. Three hours credit. Professor Robbins

Criminal Law and Procedure—Mikell's *Cases on Criminal Law*; the *Nebraska Criminal Code*. Three hours attendance. Two hours credit. Professor Maxey

History and System of the Common Law—A general survey of the legal system of English-speaking countries; courts, their organization and jurisdiction. Selected cases: Blackstone's *Commentaries*, Book III; Street's *Foundations of Legal Liability*, vol. 3. Two hours attendance. Two hours credit. Professor Hastings

Property I—Gray's *Cases on Property*, vol. 1; Kirchwey's *Readings on the Law of Real Property*. Two hours attendance. Two hours credit. Professor Conant

Torts—Ames & Smith's *Cases on Torts*, vol. 2. Two hours attendance. Two hours credit. Professor Wilson

FIRST YEAR—SECOND SEMESTER

Agency—Huffcut's *Cases on Agency*. Two hours attendance. Two hours credit. Professor Robbins

Common Law Pleading (Concluded)—One hour attendance. One hour credit. Professor Conant

Contracts (Concluded)—Three hours attendance. Three hours credit. Professor Robbins

Domestic Relations—Woodruff's *Cases on Domestic Relations*. One hour attendance. One hour credit. Professor Hastings

Equity Jurisdiction I—Keener's *Cases on Equity Jurisdiction*, vol. 1., Two hours attendance. Two hours credit. Professor Hastings

Practice in Justices' Courts—Selected cases; Cobbe's *Student's Code of Nebraska*. One hour attendance. One hour credit. Mr. Ledwith

Property I (Concluded)—Gray's *Cases on Property*, vol. 2. Two hours attendance. Two hours credit. Professor Conant

Torts (Concluded)—Ames & Smith's *Cases on Torts*, vol. 1. Two hours attendance. Two hours credit. Professor Wilson

SECOND YEAR—FIRST SEMESTER

Bills and Notes—Ames' *Cases on Bills and Notes*; Huffcut's *Negotiable Instruments*. Three hours attendance. Three hours credit.

Professor Robbins

Code Pleading—Selected cases. Three hours attendance. Three hours credit. Mr. Ledwith

Equity Jurisdiction II—Keener's *Cases on Equity Jurisdiction*, vols. 2 and 3. Three hours attendance. Three hours credit.

Professor Hastings

Equity Pleading—Thompson's *Cases on Equity Pleading*. One hour attendance. One hour credit. Professor Conant

Evidence—Thayer's *Cases on Evidence*. Two hours attendance. Two hours credit. Professor Wilson

Wills and Administration—Gray's *Cases on Property*, vol. 4. Two hours attendance. Two hours credit. Professor Robbins

SECOND YEAR—SECOND SEMESTER

Code Practice—Bringing an action; provisional remedies; Nisi prius; judgment, execution, appellate procedure. Pound's *Cases on Practice*; Cobbe's *Student's Code of Nebraska*. Wheeler's *Compiled Statutes, Codes*. Three hours attendance. Three hours credit. Professor Hastings

Damages—Beale's *Cases on Damages*. One hour attendance. One hour credit. Professor Conant

Evidence (Concluded)—Two hours attendance. Two hours credit.
Professor Wilson

Property II—Gray's *Cases on Property*, vol. 3. Two hours attendance.
Two hours credit. Professor Conant

Quasi-Contracts—Scott's *Cases on Quasi-Contracts*. Three hours attendance. Three hours credit.
Professor Robbins

Trusts—Ames' *Cases on Trusts*. Three hours attendance. Three hours credit.
Professor Conant

THIRD YEAR—FIRST SEMESTER

Constitutional Law—Thayer's *Cases on Constitutional Law*, vol. 1. Three hours attendance. Three hours credit.
Professor Hastings

Federal Procedure—Selected cases. One hour attendance. One hour credit.
Professor Wilson

Insurance—Selected cases. One hour attendance. One hour credit.
Professor Robbins

Partnership—Burdick's *Cases on Partnership*. Two hours attendance. Two hours credit.
Professor Conant

Private Corporations—Smith's *Cases on Private Corporations*. Two hours attendance. Two hours credit.
Professor Conant

Property III—Gray's *Cases on Property*, vol. 5. Three hours attendance. Three hours credit.
Judge Tuttle

Public Service Companies—Beale and Wyman's *Cases on Public Service Companies*. Two hours attendance. Two hours credit.
Professor Maxey

THIRD YEAR—SECOND SEMESTER

Constitutional Law (Concluded)—Thayer's *Cases on Constitutional Law*, vol. 2. Three hours attendance. Three hours credit.
Professor Hastings

Mortgages—Kirchwey's *Cases on Mortgages*. Two hours attendance. Two hours credit.
Professor Hastings

Municipal Corporations—Smith's *Cases on Municipal Corporations*. One hour attendance. One hour credit.
Professor Conant

Private Corporations (Concluded)—Two hours attendance. Two hours credit.
Professor Maxey

Property III (Concluded)—Gray's *Cases on Property*, vol. 6. Two hours attendance. Two hours credit.
Judge Tuttle

Sales—Williston's *Cases on Sales*. Two hours attendance. Two hours credit.
Professor Robbins

Suretyship and Guaranty—Wilson's *Cases on Suretyship and Guaranty*. One hour attendance. One hour credit.
Professor Wilson

ELECTIVES

At least eight hours of work in the elective courses must be presented for the degree.

OPEN TO SECOND-YEAR AND THIRD-YEAR STUDENTS AND, UPON CONSENT OF THE DEAN, TO FIRST-YEAR STUDENTS.

Administrative Law I (PUBLIC LAW 3)—Public officers; extraordinary legal remedies. Goodnow's *Cases on the Law of Officers*. First semester. Two hours attendance. Two hours credit. Professor Maxey

Administrative Law II (PUBLIC LAW 4)—Taxation. Goodnow's *Cases on Taxation*. Second semester. Two hours attendance. Two hours credit. Professor Maxey

Analytical and Historical Jurisprudence (JURISPRUDENCE 3)—Second semester. Three hours attendance. Three hours credit. Professor Maxey

International Law I (PUBLIC LAW 6)—Maxey's *International Law*. First semester. Three hours attendance. Three hours credit. Professor Maxey

International Law II (PUBLIC LAW 7)—Advanced course. Second semester. Two hours attendance. Two hours credit to students who do not present International Law I. Professor Maxey

Roman Law (JURISPRUDENCE 2)—History and Institutes. First semester. Two hours attendance. Two hours credit. Not yet assigned
(Given in 1910-1911 and alternate years.)

OPEN TO SECOND-YEAR AND THIRD-YEAR STUDENTS ONLY

Bankruptcy—Williston's *Cases on Bankruptcy*. First semester. Two hours attendance. Two hours credit. Professor Hastings

Conflict of Laws—Beale's *Cases on the Conflict of Laws*. Minor's *Conflict of Laws*. Second semester. Two hours attendance. Two hours credit. Professor Maxey

Irrigation Law—Selected cases. First semester. One hour attendance. One hour credit. Professor Conant
(Given in 1909-10 and alternate years.)

Mining Law—Selected cases; Costigan's *American Mining Law*. First semester. Two hours attendance. Two hours credit. Professor ———

(This course will be given in 1910-1911 and alternate years. For the benefit of the students in this course, Professor Condra, of the department of Geography and Economic Geology, will give two illustrated lectures on the origin of ores and ore deposits, mining prospecting and mining operations.)

OPEN TO THIRD-YEAR STUDENTS ONLY

Conveyancing—Practical exercises in conveyancing, examining abstracts of title, and drafting papers, under the personal supervision of the instructor. Pound's *Exercises in Conveyancing*. Second semester. Two hours attendance. Two hours credit. Mr. Ledwith

EXTRA COURSES (NO CREDIT)

Appellate Procedure—Seminary in appellate procedure. Open to third-year students only. First semester. One hour attendance.

Professor Hastings

Bar Examination Review—A general review of the more important topics of the law, based upon questions used at bar examinations. Open to third-year students only. Second semester. Hours to be arranged.

Professors Robbins, Hastings, Maxey, Conant

Business Law—A course in business law with special reference to the needs of engineers. Credited in the engineering departments, but not in the College of Law. Open to all College of Law students. Second semester. Two hours attendance.

Professor Conant

Probate Practice—Seminary in probate practice for third-year students only. First semester. One hour attendance.

Professor Hastings

PRACTICE AND PRACTICE COURTS

In addition to the courses in practice, in which instruction is given in the principles and general rules of procedure in state and federal courts, practice courts are maintained in order to afford the student an opportunity of acquainting himself with the various steps in an orderly litigation, and of learning by actual experience to determine what proceedings to bring, how to bring them, and how to conduct causes to a final determination. The work in these courts is required. Every effort is made to reproduce the conditions of actual practice. First year students serve as parties, witnesses and jurors. Second year students serve as justices of the peace, constables, sheriffs, clerks of the courts of record and practicing attorneys. Third year students serve as county attorneys, judges of the various courts of record and practicing attorneys.

The parties and witnesses are advised of the facts of the controversy by the instructor, and the student who acts as counsel discovers the matter at issue and the testimony he may adduce in support of his contentions by consultation with the party for whom he appears and his witnesses. He then determines the form of action or proceeding, sues out and returns process, prepares pleadings, and takes all steps required to bring the cause to trial. The trial is attended by an instructor, who gives personal instruction in trial procedure, preparation of instructions, verdicts, and journal entries, making motions for new trial or in arrest of judgment, settlement of bills of exceptions, supersedeas, and procedure on appeal.

Each student is required during the second year to try at least one case in an inferior court, and to take it by appeal to the district court. In the third year each student is required to take part in at least two causes, one at

law and one in equity, in the district court, and on appeal in the supreme court. A county court is also provided to furnish practice in the probating of wills and the administration of estates.

Further practical exercises in drawing the proper papers or instruments to meet the facts of hypothetical cases are provided in the courses in pleading, in practice, and in conveyancing. The student is never allowed to lose sight of the fact that he is being fitted to practice his chosen profession.

COLLEGE OF LAW LECTURE COURSE

A course of lectures by prominent members of the bench and bar has been provided. The lectures are upon practical topics from the standpoint of the practitioner, and, among other subjects, will deal with patent, copy-right and trademark law, the preparation of causes for trial, the presentation of causes to court or jury, the examination of witnesses and other branches of advocacy, land titles, professional ethics, commercial business, collections and adjustments, the organization and management of business corporations, office economy and the selection of a library.

METHOD OF INSTRUCTION

The College of Law follows in the main the "Case" or "Source" method of teaching law. Instead of studying text-books upon which to recite, the students summarize, and prepare to expound and to comment upon in class, the important cases to which the text writers themselves must go for the law. This resort to the sources is made under the guidance of experienced instructors who supplement the class discussion of the cases with such information as the students require to enable them to understand the cases and the topics to which the cases relate. Students are often advised, and sometimes required, to read particular text-books, to supplement the work in the cases, and whenever there is occasion to do so the instructors lecture on particular legal problems. The great aim of the class work is to increase the student's accuracy of legal perception, his ability to analyze cases and extract the right principles from them, and his power to apply those principles to such more or less complicated facts as normally arise in legal practice; and especially to get an accurate acquaintance with legal relations as underlying legal rules.

LIBRARIES

Students in the College of Law have access to various libraries, aggregating 198,000 volumes.

The College of Law library, which contains over 5,000 volumes of stan-

dard reference and text-books on the common law and of American and English law reports, is a branch of the University Library.

The University Library of 90,000 volumes includes the standard authorities and works of reference on international law, Roman law, jurisprudence and public law.

The State Library of 65,000 volumes at the Capitol is one of the best law libraries in the West, containing substantially complete sets of the law reports and statutes of all English-speaking jurisdictions.

The Lincoln City Library contains 27,000 volumes.

The Nebraska State Historical Society Library contains 16,000 volumes.

PRIZES AND HONORS

Excellence in First-Year Studies. (1) For the three members of the first-year class who obtain the highest rank in the studies of the first semester, Dr. Roscoe Pound, formerly Dean of the College of Law, offers prizes—books to be selected by the donor. In 1909-1910, those who received scholarship prizes were Anthony Z. Donato, Arthur J. Ludden, and Thomas G. Andrews. The prizes were Holdsworth's *History of English Law*, *Anglo-American Legal Essays* and Lukero's *Constitution of the United States*. (2) For the member of the first-year class whose scholarship in the second semester displays the most marked improvement over that in the first semester, and who attains a grade of "E" in all of his second-semester studies, Dr. Roscoe Pound also offers a prize—a book or books to be selected by the donor. In 1908-1909 the prize—*Curran's Speeches*—was awarded to Howard Emerson Dixon.

Edward Thompson Company Prize. For the best thesis by a member of the third-year class the Edward Thompson Company of Northport, New York, offers *The American and English Encyclopedia of Law* or *The Encyclopedia of Pleading and Practice*. The thesis, which must be submitted to the Dean not later than the third Monday in May, must contain not less than 2,000 nor more than 4,000 words, must be satisfactory to the examining committee as to matter and style, and must be printed or typewritten on paper of uniform size and quality. Awarded to Robert W. De Voe in 1908-1909.

Legal Bibliography Prize. To promote a practical knowledge of legal bibliography, the Dean of the College offers a prize, open to all students—any standard legal treatise, to be selected by the winner. This prize is awarded upon an examination held in the law library at the beginning of the second semester. The examination is both oral and written, embracing

the principal reports, American and English, standard abbreviations and modes of citation, standard text-books, search for cases in the reports, identification of cases imperfectly cited, and use of digests. No award for 1909-1910.

Oratory. The faculty of the College of Law offers a first prize of \$35 and a second prize of \$15 for the best orations to be written and delivered by the regular students of the College of Law and the College of Medicine and by regular undergraduate students who have attained junior standing in the College of Arts and Sciences. The rules and regulations governing the oratorical contest are framed by the faculty of the College of Law. It is expected that the contest will occur sometime in April.

William Jennings Bryan Prize. For the best essay on the science of government is offered annually the income of \$250, the gift of Hon. William Jennings Bryan.

Theta Kappa Nu. The Theta Kappa Nu, the law scholarship fraternity, the Nebraska chapter of which was established in 1904, elect not more than one-tenth nor more than one-sixth of the graduating class, solely on the basis of scholarship as shown by grades attained in the required law work for the entire course.

ADVANTAGES AND PRIVILEGES

Courts. The College of Law occupies rooms in the University Hall within a few blocks of the law offices and courts. The Supreme Court, the District Court (in three divisions), the County Court and various minor courts are almost constantly in session during the school year. In addition to the various State Courts, the Circuit and District Courts of the United States for the District of Nebraska hold two terms in Lincoln each year. Exceptional facilities are thus afforded the student to hear the arguments of able counsel and to become acquainted with the workings of courts.

Legislature. The student has the opportunity each alternate year of attending the session of the Nebraska Legislature, where he may observe the process and forms of legislation. The course on legislation, given as a College of Law elective, brings students who take it in close touch with the work of the legislature.

General College Privileges. A student in the College of Law may, without paying additional fees, register for not more than five hours of work in the College of Arts and Sciences. Credit in the general colleges is not applied toward the degrees of those colleges, however, unless the matriculation and other fees of those colleges are regularly paid. Students taking advantage of this rule may not change their registration in the

general college or drop any of the subjects registered for therein without paying the re-registration fee of \$3. Subjects peculiarly suitable to law students are American history, argumentation, comparative government, constitutional history, debate, diplomacy, English institutional history, ethics, political economy, political history, political science, public speaking, and sociology.

Gymnasium. The gymnasium is open to students of the College of Law. It is in charge of experts in physical training, who advise each student as to the character and amount of physical exercise adapted to his case.

The College of Medicine

CONTENTS

	PAGE
Officers of Administration and Instruction.....	306-310
Organization of the College of Medicine.....	311
Standing	311
Methods of Instruction.....	312
Six-year Combined Collegiate and Medical Course.....	312
Admission to the College of Medicine.....	313-316
Requirements for Graduation.....	317
Fees and Expenses.....	318-320
Review Course for Practitioners.....	320
Graduate Work in Medicine.....	321
Equipment	322
Clinical Facilities	323
Hospital Appointments	325
Public Addresses	326
Libraries, Publications and Societies.....	326
General College Privileges.....	327
Order of Courses in the College of Medicine.....	328-330
Six-year Combined Course.....	328
Four-year Medical Course.....	329
Hours Devoted to Each Subject.....	331
Didactic and Laboratory Instruction.....	333-341
Clinical Instruction	342-350
College of Medicine Time Schedule.....	351

**OFFICERS OF ADMINISTRATION AND INSTRUCTION
IN LINCOLN**

SAMUEL AVERY, PH. D., LL. D., Chancellor of the University.

JAMES STUART DALES, M. Ph., Treasurer of the University.

PHILIP JOHN HARRISON, A. B., Registrar and University Publisher.

ROBERT HENRY WOLCOTT, A. M., M. D., Acting Dean of the College of Medicine. Administration Hall 104.

HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology.

BENTON DALES, Ph. D., Professor of Analytical Chemistry, in charge of the Department of Chemistry.

AUGUST ERNEST GUENTHER, Ph. D., Professor of Physiology.

RUFUS ASHLEY LYMAN, A. M., M. D., Professor of Pharmacology and Director of the School of Pharmacy.

WILLIAM ALBERT WILLARD, Ph. D., Professor of Histology and Embryology.

CHARLES WILLIAM McCORKLE POYNTER, B. Sc., M. D., Professor of Human Anatomy.

FRANKLIN DAVIS BARKER, Ph. D., Associate Professor of Zoology.

HIRAM WINNETT ORR, M. D., Assistant Professor of the History of Medicine.

MARY LOUISE FOSSLER, A. M., Adjunct Professor of Chemistry.

GEORGE HEMAN WALKER, M. D., Adjunct Professor of Anatomy.

JAMES F. STEVENS, A. M., M. D., Adjunct Professor in Charge of Materia Medica.

LAWRENCE B. PILSBURY, A. B., M. D., Instructor in Bacteriology and Pathology.

HARRY HARDING EVERETT, B. Sc., M. D., Instructor in Surgical Pathology.

HENRY JOHN LEHNHOFF, A. B., M. D., Instructor in Surgery.

CLARENCE EMERSON, Ph. D., Instructor in Bacteriology and Pathology.

HENRY PETER WEKESSER, M. D., Demonstrator in Anatomy.
CLARENCE RUBENDALL, B. Sc., M. D., Demonstrator in Anatomy.
DAVID CLARK HILTON, A. M., M. D., Instructor in Anatomy.
J. STANLEY WELCH, A. B., M. D., Instructor in Pathology.
EDWARD WINFIELD ROWE, B. Sc., M. D., Instructor in Materia Medica.
PHILIP MARSHALL DALE, B. Sc., Assistant in Anatomy.
EDWIN GREENE DAVIS, A. B., Assistant in Anatomy.
JOHN HARRY LINSON, B. Sc., Assistant in Anatomy.
JAMES C. TUCKER, B. Sc., Assistant in Anatomy.
EDGAR MATTHIAS MEDLAR, B. Sc., Scholar in Zoology.
WILSON ALEXANDER MYERS, A. B., Fellow in Histology and Embryology.
*CLIFFORD WEBB WELLS, Ph. B., Scholar in Histology and Embryology.

Committees of the Faculty in Lincoln

Course of Study—The Dean (chairman), Professors Waite, Dales, Lyman, Doctor Pilsbury.

Publication—Professor Orr (chairman), Professors Guenther, Willard.

Advanced Standing—Professor Waite (chairman), Professors Willard, Stevens, Doctor Lehnhoff, the Dean.

Schedule of Classes—Professor Dales (chairman), Professor Barker, Doctor Everett.

Convocation and Review Courses—Professor Lyman (chairman), Professors Poynter, Guenther, Doctor Welch.

* Appointed for 1910-1911.

**OFFICERS OF ADMINISTRATION AND INSTRUCTION
IN OMAHA**

HAROLD GIFFORD, B.Sc., M.D., Associate Dean of the College of Medicine and Professor of Ophthalmology and Otology.

RICHARD CHANNING MOORE, M.D., Professor of Diseases of the Mind.

WILLIAM FORSYTH MILROY, M.D., Professor of Clinical Medicine and Physical Diagnosis.

WILLSON ORTON BRIDGES, M.D., Professor of the Principles and Practice of Medicine and Clinical Medicine.

AUGUST FREDERICK JONAS, M.D., Professor of the Practice of Surgery and Clinical Surgery.

HARRY MONROE McCLANAHAN, A.M., M.D., Professor of Pediatrics.

BYRON BENNETT DAVIS, A.B., M.D., Professor of the Principles of Surgery and Clinical Surgery.

FRANK STYLES OWEN, M.D., Professor of Laryngology and Rhinology.

ANDREW BARTHOLOMEW SOMERS, M.D., Professor of Obstetrics.

SOLON RODNEY TOWNE, A.M., M.D., Professor of Hygiene and State Medicine.

JOSEPH MELANCHTHON AIKIN, M.D., Clinical Professor of Nervous Diseases.

DONALD MACRAE, JR., M.D., Professor of Clinical Surgery, Council Bluffs, Iowa.

VERNON LAWRENCE TREYNOR, M.D., Professor of Clinical Medicine, Council Bluffs, Iowa.

PALMER FINDLEY, A.M., M.D., Professor of Didactic and Clinical Gynecology.

ALFRED SCHALEK, A.M., M.D., Professor of Dermatology and Genito-Urinary Diseases.

LE ROY CRUMMER, M.D., Professor of Therapeutics.

ARTHUR CHARLES STOKES, B.S., M.D., Associate Professor of Genito-Urinary Surgery and Surgical Anatomy.

CHARLES WHITNEY POLLARD, A.B., M.D., Adjunct Professor of Obstetrics.

BURTON WHITFORD CHRISTIE, B. Sc., M. D., Instructor in Pediatrics.

AARON WELCH EDMISTON, M. D., Instructor in Bandaging and Surgical Dressings.

ALFRED OLAF PETERSON, A. M., M. D., Instructor in Internal Medicine.

JAMES SAMUEL GOETZ, M. D., Instructor in Internal Medicine.

THOMAS TRUELSEN, M. D., Instructor in Physical Diagnosis and Clinical Assistant in Medicine.

WILLIAM HULL RAMSEY, M. D., Instructor in Surgery.

PAUL HAGANS LUDINGTON, A. B., M. D., Instructor in Medicine.

RODNEY WALDO BLISS, B. Sc., M. D., Instructor in Clinical Pathology and Internal Medicine.

ROBERT RUSSELL HOLLISTER, A. B., M. D., Instructor in Surgery and Gynecology.

CHARLES REX KENNEDY, M. D., Instructor in Surgery.

HENRY BASSETT LEMERE, M. D., Instructor in Ophthalmology and Otology.

ERNEST TIBBETS MANNING, M. D., Instructor in Therapeutics.

WILLIAM PENALUNA WHERRY, M. D., Instructor in Laryngology and Rhinology.

CHARLES CAMPBELL MORISON, A. B., M. D., Instructor in Surgery.

CHARLES AARON HULL, M. D., Instructor in Surgery.

JAMES McDOWELL PATTON, A. M., M. D., Instructor in Ophthalmology and Otology.

ALFRED JEFFERSON, M. D., Instructor in Therapeutics and Clinical Assistant in Gynecology.

NORA MAY FAIRCHILD, M. D., Clinical Assistant in Gynecology.

JOHN CLYDE MOORE, JR., B. Sc., M. D., Clinical Assistant in Medicine.

AUGUST DAVIS CLOYD, M. D., Lecturer on Life Insurance Examinations.

ALFRED ONIAS HUNT, D. D. S., Lecturer on Dental Surgery.

GEORGE MOGRIDGE, M. D., Lecturer on Arrested Development, Greenwood, Iowa.

ERNEST CLIFFORD PAGE, Ph. M., LL. B., Lecturer on Medical Jurisprudence.

JOHN JOSEPH KLICK, M. D., Assistant in Dermatology.

Dispensary Staff

Superintendent of Dispensary—Dr. Bliss.

Internal Medicine—Professors Bridges and Milroy; Assistants, Doctors Bliss and Moore.

Surgery—Professors Jonas and Davis; Assistant, Doctor Hollister.

Eye and Ear—Professor Gifford; Assistant, Doctor Patton.

Nose and Throat—Professor Owen; Assistant, Doctor Wherry.

Pediatrics—Professor McClanahan; Assistant, Doctor Christie.

Obstetrics—Professor Somers; Assistant, Doctor Pollard.

Gynecology—Professor Findley; Assistants, Doctors Jefferson, Fairchild and Hollister.

Nervous Diseases—Professor Aikin.

Dermatology—Professor Schalek; Assistant, Doctor Klick.

Genito-Urinary Surgery—Associate Professor Stokes.

Drug-Room—Reginald Myron Wildish, Ph. G., B. Sc.

Committees of the Faculty in Omaha

Students and Examinations—Doctors Jonas and Milroy.

Faculty and Catalog—Doctors Gifford and Findley.

Clinics and Lectures—Doctors Bridges and Owen.

Laboratories and Dispensary—Doctors Jonas and Findley.

Finance and Supplies—Doctors Owen and Somers.

Employees—Doctors Somers and Bridges.

Commencement and Entertainment—Doctors Davis and Gifford.

Building, Grounds and Repairs—Doctors Milroy and Davis.

ORGANIZATION OF THE COLLEGE OF MEDICINE

By an agreement entered into in May, 1902, the Omaha Medical College became the College of Medicine of the University of Nebraska. The College thus incorporated into the University was founded in 1880 and had experienced strong and steady growth. As an integral part of the University, and gathering strength from that connection, the College has gone rapidly forward. The requirements for entrance have been raised step by step till now they are on a level with those of the best medical colleges, thus assuring a student body properly prepared for the improved advantages at its disposal.

The work of the first two years is carried on at Lincoln, where the University offers to the student, at the beginning of his course in medicine, advantages equalled by but comparatively few medical schools in the country. The University's laboratories, directed by men of thorough training and large experience, who devote their entire time to instruction and supervision, and well equipped with modern appliances, furnish a preparation which is a substantial basis for the clinical work.

The work of the last two years is done exclusively at the College in Omaha, where are afforded unusual clinical facilities, more than ample for all purposes of undergraduate medical instruction. The last State Legislature appropriated funds with which to purchase a site for a clinical campus in Omaha; this has been secured and plans have been drawn and work begun on a clinical teaching equipment which will be, when completed, excelled by that of no school in the country.

STANDING

The College of Medicine meets the requirements of the most exacting examining authorities. It is in the approved list of all state examining and licensing boards and its diploma grants the holder all privileges accorded to graduates of any medical school in the United States. The class of 1906 was the first to complete its training under University auspices. All members of that class, and also of all subsequent classes, have passed successfully all state board licensing examinations in which they have taken part.

Official notice has been received from the Secretary of the Examining Board in England that the Royal Colleges of Physicians and Surgeons have added the University of Nebraska to the short list of American institutions whose Graduates in Medicine may, on production of the required certificate of study, be admitted to the Final Examination in Medicine, Surgery and

Midwifery, which places them on the same basis as graduates of the best English schools. This recognition is a source of great gratification to all interested in the College, and is of especial value to those students who are planning to take up work in foreign lands as medical missionaries.

METHODS OF INSTRUCTION

The course of study in medicine covers four years, there being in each of the first three years, thirty-two weeks of class work and in the senior year thirty, exclusive of all registration and examination days. During the first two years those strictly scientific branches are pursued which form the basis for the clinical studies of the last two. The objective method is followed, not only in the laboratories, but also in the clinical instruction, where constant reference is made to the facts acquired from laboratory work in the fundamental branches. Emphasis is in all cases placed on individual effort on the part of the student, of whom is required work as independent as is consistent with the further demand that he thoroughly cover the field.

The course embraces also didactic and clinical lectures, in which effort is made by charts, models, experiments, demonstrations and other appropriate means to broaden the mind of the student and to coordinate the facts acquired in laboratory and clinic. Frequent quizzes and examinations test the student's progress in each line of work.

The College affords unique opportunities for the most thorough instruction. The moderate size of the classes insures close contact between student and instructor, which is of the utmost importance in securing an exact knowledge of the fundamental branches. The sectional method of clinical work also brings the individual student in intimate contact with his clinical instructors, affords him an opportunity to study each case thoroughly and at short range, and allows him to secure a very unusual amount of bedside instruction.

Six-Year Combined Course. In addition to the four-year course leading to the degree of Doctor of Medicine, which now must be preceded by two years of college work, there is offered a combined collegiate and medical course of six years. By the use of the laboratory subjects of the first two years of the medical course as electives in his collegiate course, the student is enabled to receive, at the end of four years, the degree of Bachelor of Science, and at the end of six years that of Doctor of Medicine. This can only be accomplished by taking the course precisely as outlined in later pages of this Announcement. A student registered for the degree of

Bachelor of Arts may arrange a similar course by the same use of his electives, but he will probably find it necessary to spend seven years to meet the requirements for the Bachelor of Arts degree, and to secure, at the same time, the scientific training required for the degree in medicine.

ADMISSION TO THE COLLEGE OF MEDICINE

Advanced Entrance Requirements. January 1, 1908, the standard of entrance to the College of Medicine was raised to include one year of college work, and the results have been so satisfactory to both faculty and students that during the present year this standard has been further advanced so as to include two full college years. This means that the course of study shall include at least six years of work above the four-year high-school course. The first two years will be practically those of the six-year combined course, being devoted mainly to German, chemistry, physics, and animal biology. The difference between the two courses is in the fact that all of the work of the two preparatory years not being prescribed, there is latitude of election which will be of advantage to A. B. students and those who come from other colleges and universities and who do not seek a B.Sc. degree here. Two points of some importance should be noted in connection with this extended course. The initial years, if taken at the University of Nebraska, are not subject to the fees of the professional course, but demand only the moderate laboratory fees required of the general scientific student. Secondly, the work may be taken at any college of standard entrance requirements, provided the work includes at least one year of German, chemistry, physics and animal biology. There are many colleges which cover the introductory work noted in an eminently satisfactory manner, and in such cases the student with proper credentials may enter directly into the first year of professional work in medicine, *i. e.*, of the four-year course.

Entrance Credits. For admission to the freshman class of the four-year course in the College of Medicine, a candidate must present evidence of having completed (1) a standard four-year high-school course entitling him to 30 entrance credits or "credit points"* as laid down in the minimum requirements of the Association of American Medical Colleges, and (2) two years of college work in this University or some other reputable college or university. For admission to the six-year combined course, the candidate

* An entrance credit or "credit point" is given for the work of a class holding five recitations a week, of from 40 to 50 minutes each, for at least 18 weeks. In laboratory courses a credit or "credit point" is given for three recitations and two double periods of laboratory (under the supervision of an instructor) each week for at least 18 weeks.

must meet the entrance requirements for the College of Arts and Sciences and in addition present a year's credit in physics. Conditional admission to enter the preliminary work of the four-year course or the six-year combined course is permitted on a minimum of 24 high-school credits or "credit points";* but all such conditions must be removed before the student may be admitted to full sophomore standing. Women are admitted to the College of Medicine on the same terms as men.

Required Subjects (16 or 19 points). Of the 30 "credit points" required for admission to either the preliminary work of the four-year course or the six-year combined course, 16 or 19 points must be presented from the following subjects, the time-element indicated with each being essential:

	4-year Course	6-year Combined Course †
Algebra (to simultaneous quadratics), 1 year, 5 hours a week	2	
Algebra (simultaneous quadratics and logarithms), 1½ years, 5 hours a week.....		3
English (rhetoric and literature), 2 years, 5 hours a week	4	4
Geometry (plane), 1 year, 5 hours a week.....	2	2
History (European), 1 year, 5 hours a week.....		2
History, 1 year, 5 hours a week.....	2	
Language (Latin two years at least), 3 years, 5 hours a week		6
Language (must be Latin), 2 years, 5 hours a week.....	4	
Physics (with laboratory work), 1 year, 5 hours a week..	2	2
	<hr/> 16	<hr/> 19

Optional Subjects (14 or 11 points). In addition to these required subjects, for which no substitutes will be accepted, applicants must present 14 or 11 points from the following optional entrance subjects:

Agriculture, ½ year, 5 hours a week.....		1
Algebra (simultaneous quadratics and logarithms), ½ year, 5 hours a week.....	1	
Geometry (solid), and trigonometry, 1 year, 5 hours a week	2	2
History, 1 or 2 years, 5 hours a week.....	2 or 4	2 or 4
English (only if taken after the required English), 1 year 5 hours a week.....	2†	2†
Language (German, French, Spanish or Greek), 1 to 4 years, 5 hours a week.....	2 to 8	

* See page 29 for table of simplified entrance requirements effective September 1, 1911.

† Four optional points are allowed only to schools named by the Accredited Schools Committee.

	4-year Course	6-year Combined Course
Language (excluding Spanish), 1 to 3 years, 5 hours a week		2 to 6
Language (Latin), 1 or 2 years, 5 hours a week.....	2 or 4	2 or 4
Natural Science (Botany or Zoology), 1 year, 5 hours a week	2	2
Normal Training		1
Physical Science (Chemistry), 1 year, 5 hours a week....	2	2
*Senior Reviews		1
Earth Science (Physical Geography or Geology), 1 year, 5 hours a week.....	1 or 2	
Drawing	1	
Astronomy, $\frac{1}{2}$ year, 5 hours a week.....	1	
Civics, $\frac{1}{2}$ year, 5 hours a week.....	1	
Physiology and Hygiene, $\frac{1}{2}$ year, 5 hours a week.....	1	
Astronomy, $\frac{1}{2}$ year, 5 hours a week.....	} Not more than four accepted	
Bookkeeping		
Civics, $\frac{1}{2}$ year, 5 hours a week.....		
Geology, $\frac{1}{2}$ year, 5 hours a week.....		4
Physical Geography, $\frac{1}{2}$ year, 5 hours a week.....		
Physiology and Hygiene, $\frac{1}{2}$ year, 5 hours a week..		
Political Economy, $\frac{1}{2}$ year, 5 hours a week.....		
Total optional points.....	14	11

Entrance from "Accredited" Schools. The University maintains a list of "accredited" high schools, academies and colleges whose graduates are admitted to any of the colleges or schools of the University without examination in those subjects in which their work is duly certified. A candidate for admission bringing credentials from a non-accredited school must be prepared to take such examinations as may be prescribed. A student desiring to ascertain in advance of the opening of the school year whether or not he may be admitted to the freshman class without examination should apply to the Registrar of the University or the Dean of the College of Medicine for blank credential slips; when these are properly filled out and returned, he will be informed at once whether or not his credentials are acceptable, and what will be required of him. In all cases the entrance credits are passed upon by the Registrar in frequent consultation with the Inspector of Accredited Schools. It is highly desirable that all candidates for admission submit their entrance credentials at least one month in advance. Although properly prepared students who cannot enter at the beginning of the year may be admitted later, all students who can possibly do so are urged to be present at the beginning of the year. Students entering late are at much

* Credit granted only to graduates of Normal Training High Schools.

disadvantage and cannot expect to finish the course within the minimum limit except by taking work in the Summer Session. However, plans are made so that students who enter at the opening of the second semester may arrange a suitable program of work.

Advanced Standing. Advanced standing may be granted under the following conditions: (1) Applicants for advanced standing must offer admission credits equal to those required by this college. (2) In accordance with the recommendation of the Association of American Medical Colleges, the College of Medicine does not grant any time credit toward the M. D. degree to holders of a bachelor's degree; this means that the total time spent by each student taking his medical degree must include as a minimum four years of registration in a medical college. (3) Students of other medical colleges of equal standing and maintaining the same entrance and course requirements are, on presenting certificates of honorable dismissal, admitted to the class to which such credentials entitle them. Students from medical colleges of less standing and not maintaining the same entrance and course requirements are only admitted to the class into which the subject credit secured entitles them to enter, and are also required to make up all entrance deficiencies. (4) There will be no change in the practice heretofore observed concerning subject credit, the granting of which is at the discretion of the head of each department, subject to the meeting of such conditions or the passing of such examinations as he may with reason impose. Admission to any class does not necessarily carry with it credit in all work previously done by the class, since the head of any department has the right to demand satisfactory evidence of the completion of previous work in that subject equal to that required of the student of this College, and in case the work is not equal to such requirement the deficiency stands against the student as a "condition," till removed. In case subject credit is granted in excess of that previously done by students of the class into which the applicant enters, he is free to use the time thus gained in such extra work as he may elect. Thus students who come from high grade colleges and have completed a portion of the required work may be enabled to pursue studies for a master's degree or to go into advanced courses in any department in which they are prepared to work.

Adult Special Students. When circumstances warrant and the accommodations are sufficient to allow it without detriment to the work of candidates for degrees, a student not seeking a degree may be admitted as an unclassified "adult special" student. A junior or a senior in the College of Arts and Sciences or the Teachers College may, with the consent of the depart-

ment involved, take any of the courses offered in the College of Medicine by registering as an unclassified student in this College and paying the laboratory fees attached to the course or courses chosen and also a *pro rata* tuition fee; provided, however, that the tuition charge for any course in the College of Medicine so taken by a student in either of the general colleges shall in no case be less than \$5.00 a semester.

Registration. The first five days of each semester—from 9 a. m. Tuesday to 5 p. m. Saturday—are allowed for registration.* To promote prompt registration, a fee of \$3.00 is charged any student who, unless excused by the Chancellor, seeks to register outside of these days. A like fee of \$3.00 is charged for re-registration when made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration. A student taking the college work required for entrance to the College of Medicine matriculates and registers in the College of Arts and Sciences until the necessary amount of college work is completed. A student taking the combined six-year course for the degrees of Bachelor of Science and Doctor of Medicine matriculates and registers only in the College of Arts and Sciences during the first two years of his work. He continues to register in the College of Arts and Sciences during the next two years, or until he receives his B. Sc. degree; but he must also matriculate and register in the College of Medicine at the beginning of the third year's work and must regularly thereafter register in the College of Medicine. If he is a candidate for the A. B. degree, he must begin to register also in the College of Medicine not later than the beginning of the fourth year of his course, as at least four years' registration in a college of medicine are required of all who receive the M. D. degree. No regular student is registered for less than twelve (12) hours nor more than eighteen (18) hours a semester without the Dean's permission. No student may add any subject to his schedule or drop from it any subject for which he has been regularly registered, without written permission from the Dean. Students cannot attend classes for which they are not registered and credit is not granted for studies pursued without registration. Any change in a student's residence must be immediately reported to the Registrar.

REQUIREMENTS FOR GRADUATION

The degree of Doctor of Medicine is granted only under the following conditions:

* Graduate students and city teachers may register at any time until the end of the week following the regular registration days.

1. The candidate must be twenty-one years of age.
2. He must possess a good moral reputation.
3. He must have complied with all the requirements of admission and must have paid all his fees.
4. He must have completed and have secured credit in all required subjects in the curriculum.
5. He must have pursued the study of medicine for at least four years and must have passed the necessary examinations and have received credit for at least four full years of instruction at medical schools in good standing. The last year he must have taken in this institution.

Credit. According to the By-Laws of the Association of American Medical Colleges, each student is obliged to attend at least 80 per cent of the exercises "in every annual course of study for which he seeks credit." No student is given credit on examination unless he attains a grade of at least 70 per cent, or its equivalent in any other marking system. And no student is graduated unless he has secured credit in all subjects of the required curriculum. By vote of the clinical faculty the passing grade for medical students in the third and fourth years of the course is 75 per cent, which is the grade required in licensing examinations of the Nebraska State Board of Health.

Absence or Withdrawal. The Dean of the College of Medicine is the adviser of all students in the College of Medicine. He has a consultation hour in the dean's room, Administration Hall 104, where students may call seeking advice touching their work. A leave of absence for a short time may be granted a student by the dean of his college. This leave is merely a justification for absence and not an excuse from any work. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Registrar grants him permission to do so. If he is in good standing and is not a minor he is given honorable dismissal from the University at his own request; if a minor, at the request of his parent or guardian.

FEES AND EXPENSES

Fees. All fees and charges are payable in advance to the Treasurer of the University in Lincoln or at the office of the Associate Dean of the College in Omaha. No part of the fees can be refunded to a student who leaves after the beginning of the fourth week of the session. Such refunds should be called for at the time of withdrawal from a course or from the University. The schedule of fees in the College of Medicine is as follows:

Matriculation fee	\$5
Diploma fee	5
Diploma fee, <i>in absentia</i> , additional.....	10
Diploma, "eum laude," fee.....	10

No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.

FIRST-YEAR AND SECOND-YEAR FEES—LINCOLN

Tuition, first semester (or any single semester).....	\$25
Tuition, second semester	20

LABORATORY FEES

Anatomy 1.....	\$15
Anatomy 2.....	10
Anatomy 3.....	5
Anatomy 8.....	3
Anatomy 11, 12.....	graduated
Bacteriology 1.....	8
Botany 1, 2.....	each 2
Chemistry 41.....	2
Chemistry 1, 2, 34.....	each 5
Chemistry D, 1 and 2 combined, 3.....	each 10
Histology and Embryology 1, 11.....	6
Histology (Organology), 12.....	4
Histology 13, each credit hour.....	2
Histology 15	2
Materia Medica (Pharmacology 4).....	2
Pathology 2.....	10
Pathology 4.....	4
Pharmacy (Pharmacology 1).....	5
Pharmacodynamics (Pharmacology 2).....	10
Physics 1, 2, 3, 4.....	each 4
Physiology 12	9
Physiology 13	6
Zoology 1, 2, 7, 15.....	each 2
Zoology 6.....	3
Zoology A	4

JUNIOR YEAR—OMAHA

Fees for all required exercises, including all laboratory and clinic fees, \$80	
Breakage deposit	10
Examination fee	10

SENIOR YEAR—OMAHA

Fees for all required exercises, including laboratory and clinic fees....	\$80
Breakage deposit	10
Examination fee	10

Breakage in the laboratory and damage to the college property are charged to the individual or class responsible. In case the damage can not be located, it is charged the class *pro rata*.

All fees are payable strictly in advance when the session opens. A student is not entitled to appear for any one of his final examinations until all his fees are paid.

A graduate of any recognized medical college who desires to attend the Omaha clinical work of the University of Nebraska College of Medicine may do so by paying a fee of \$10.

Expenses. In Omaha board and lodging cost from \$3 to \$5 a week. By means of clubs students materially reduce this expense. The Young Men's Christian Association issues to students in the College of Medicine special season tickets at a very small cost, granting the privileges of the association's building—baths, gymnasium, parlors, lectures and concerts. Elegantly equipped rooms may be rented at reasonable prices. The location relative to the College makes the Young Men's Christian Association building a convenient home for the students. In Lincoln board and lodging may be secured in private families for from \$3 to \$5 a week. There are also numerous student clubs. The Young Men's Christian Association and the Young Women's Christian Association of the University keep lists of boarding places. The Young Men's Christian Association of the University also maintains under the direction of the Registrar an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

REVIEW COURSE FOR PRACTITIONERS

Owing to the recent marvelous advances which have been made by the application of various sciences to the art of medicine, it has become necessary that the physician be familiar with the bearing of those facts upon the diagnosis and treatment of disease which are of very recent introduction and which in many cases have not yet found their way into the standard text-books on the subjects. Furthermore the constantly increasing number of such applications makes it probable that for many years to come this necessity will become constantly more accentuated. In view of this fact the College of Medicine believes that it is performing a part of its duty to the profession by placing before its members opportunities whereby those who have been in practice several years may become familiar with these advances. Accordingly, there was established two years ago the Practitioner's Review Course, which has been given three times as a course of general lectures and laboratory demonstrations, and in that form has commended itself to those who have registered for it.

In order that the course may to a certain extent have the advantage of intensiveness, the work this year was restricted to the consideration of a single system—the digestive system. A review of the anatomy, gross and microscopic, was followed by work in physiology, pharmacology, bacteriology and pathology, and this by operative work on dogs, which led up to clinical demonstrations in hospitals, both at Lincoln and Omaha. This third annual course was held from April 25 to 30, 1910, and a fourth may be expected at about the same date in 1911.

GRADUATE WORK IN MEDICINE

To provide a still more thorough training in medicine the College of Medicine offers an additional optional year of graduate study, consisting of (1) research work in any one of its departments; or (2) work as an interne in some approved hospital; or (3) advanced study in some appropriate field at a research laboratory or other institution of higher learning, together with the preparation of a thesis. This thesis must embody the results of independent observation and investigation in connection with any one of the types of work mentioned above and the subject must be approved at the beginning of the work by the student's advisory committee. This thesis shall be presented to the advisory committee at least one month prior to the date of taking of the degree and shall be by them placed where members of the faculty may freely examine it.

On completion of the required work and the presentation of a satisfactory thesis, the student may receive the degree of Doctor of Medicine *cum laude*, provided he is favorably recommended to the faculty by his advisory committee and the faculty by unanimous vote approves the recommendation.

A student desiring to become a candidate for this fifth year's work should indicate his purpose in writing with the Dean on or before Commencement Day of the year preceding such advanced study. His advisory committee, the chairman of which must be a member of the faculty of this college and either the head of the department in which he is to work or the chief of staff of the hospital in which he is to serve as interne, will be appointed at once and take charge of his work.

Normally, hospital internships are taken in some one of the affiliated hospitals; all other cases must be the subject of specific request and approval by the faculty on recommendation of the Deans. Approval must also be secured from any non-affiliated hospital elected, and the chief of its staff must express in writing his willingness to accept the interne and to carry out the conditions laid down by the committee for his work.

The candidate must also secure permission in order to undertake work at a research laboratory or other institution, and must fulfill all conditions which his committee may impose.

EQUIPMENT

The work in Lincoln is given in the various laboratories of the University, which are well equipped with the necessary apparatus. A more detailed description of the facilities provided is found in connection with the announcement of courses given by different departments.

The college building in Omaha, completed in 1899, and situated at the corner of Twelfth and Pacific streets, is a brick and stone structure, having four stories above the basement. On the first floor are the faculty room, the students' lobby, and the free dispensary. The latter comprises a waiting room for patients, a pharmacy, a dispensary laboratory, and numerous departmental clinic rooms for the systematic examination and treatment of patients. On the second floor are the offices, the amphitheater with a seating capacity for 250, the library, the reading room, the X-ray room and a commodious coat room. On the third floor are the museum, chemical laboratory thirty by fifty feet in size, private rooms for the professors of surgical anatomy, clinical chemistry, and pathologic anatomy, and a smaller amphitheater with a stationary table to which gas and running water are supplied for practical demonstrations in these branches. The fourth floor is wholly given up to microscopic work. The laboratories, occupying a space one hundred by thirty-five feet, have light on every side. Stationary tables for the preparation and mounting of specimens occupy the center of the room. These tables are supplied with gas and running water and are made as convenient as possible to conserve the student's time. In front of each window is a table furnished with gas attachments and Bunsen burners. In this room are lockers so that each student has a safe place for his working outfit. The clinical and pathological laboratories are commodious and provided with abundant light. The arrangement is such that the class may, at a moment's notice, be assembled from the laboratory desks to recitation benches at one end of the room, where demonstrations may be made from gross specimens by the use of series of blackboards or by means of projection apparatus. These laboratories are provided with a lantern, a projection microscope and a complete Zeiss epidiascope, as well as a collection of slides, models and charts. Clinical laboratory instructors are included in the faculty, the clinical laboratories are thoroughly equipped, and much time is devoted to the study of

clinical pathology in the laboratories in connection with the lectures and clinics. The museum has been enlarged and affords a large variety of well-selected material for demonstration.

CLINICAL FACILITIES

For practical teaching in all departments of medicine and surgery, this College has unusual clinical facilities. Its students have access to nine hospitals, in five of which the College has exclusive clinical privileges.

The College Dispensary. The College Dispensary on the first floor of the College building is designed for the gratuitous treatment of all worthy charitable cases that may apply. The space assigned includes a large reception room and adjoining consultation rooms for the separate examination and treatment of cases in surgery, medicine, gynecology, pediatrics, eye, ear, nose, throat, skin and genito-urinary diseases. Members of the clinical faculty, their assistants, and trained nurses, are in daily attendance from twelve to two o'clock. Students in the senior class are divided in rotation among the different departments, whereby they are put in close touch with the histories, examinations, diagnoses, and treatment of cases. The material available is ample to demonstrate the usual diseases and accidents met with in practice. Selected cases are demonstrated and discussed with especial care before the entire class. Advanced students are often sent out from the clinic to see urgent cases at their homes and to make reports thereon to the instructor in charge. Students who have not had experience in dispensing drugs are assigned in rotation to the pharmacy in connection with the dispensary, where they are instructed in writing and reading prescriptions and in compounding and dispensing drugs. This pharmacy is under the direction of a registered pharmacist.

The Nebraska Methodist Hospital. In the Nebraska Methodist Hospital, which received about 1,450 patients last year, this college has exclusive clinical privileges. A new, commodious, fire-proof building, planned by one of the best architects in the country and embodying the most modern details of construction and arrangement, has been recently erected. It contains an operating pavilion and amphitheater seating about 100 patients and furnished with the best appliances known. At this hospital weekly clinics are held throughout the session for the advanced class in surgery, orthopedics, internal medicine, ophthalmology and otology. From the graduating class three internes are selected for a year's service each, with provisional opportunities for extended work.

The Immanuel Hospital. In the Immanuel Hospital this College also has exclusive clinical privileges. This hospital is well arranged and thoroughly equipped for the application of scientific methods in the treatment of disease. It contains an operating amphitheater, accommodating about eighty students, with the seats so arranged that each student has an unobstructed view of the operator or instructor. An addition to the building is completed which increases its capacity to one hundred and twenty beds. Weekly clinics are held in internal medicine and surgery. Occasionally there are clinics in laryngology and rhinology. From the graduating class two resident physicians are appointed soon after Commencement to serve one year. One or more students are given positions as assistants in their senior year.

The Douglas County Hospital, costing \$200,000 and accommodating 300 patients, includes a maternity pavilion and an insane department. There has lately been added a pavilion for the modern treatment of cases of consumption. This institution is in reality, the charity hospital of Omaha and the surrounding country. Since cases illustrative of all diseases, acute and chronic, occurring in this section of the country are found here, the students of this college have exceptional opportunities for direct bedside instruction in all departments. Regular clinics are held weekly in medicine, genito-urinary diseases, dermatology, gynecology, mental diseases and obstetrics. Two resident physicians are appointed on competitive examination each spring for a term of one year. Always one and frequently both of these have been graduates of this college.

The Clarkson Memorial Hospital, a new modern building, located at Twenty-first and Howard streets, within an easy walk of the College, was occupied in the spring of 1909. It is a thoroughly modern hospital building, and has 70 beds and two operating rooms. The hospital affords opportunities for two internships. Clinics in therapeutics, medicine, ophthalmology, otology and gynecology are held weekly in the amphitheater.

The Wise Memorial Hospital. This hospital has been rebuilt and trebled in size. The new building is of stone, pressed brick, and iron construction; it is modern in every respect. There are sixty-one beds and two well equipped operating rooms. Clinics in medicine, otology, and rhinology are held weekly in the amphitheaters. One interne is chosen from the graduating class each year for a service of one year. The hospital is located within walking distance of the College.

The Swedish Mission Hospital, located at Twenty-fourth and Pratt streets, has a capacity of 45 beds. The operating room is provided with an amphitheater for students. Surgical clinics are held here by appointment

by Professor Stokes. Two internes are appointed each year from the graduating class.

In the **Child-Saving Institute** this College has exclusive clinical privileges. The Institute now occupies a building especially constructed for its use. Its accommodations for sixty infants are constantly taxed. The opportunities here for the study of the dressing, care and feeding of infants, and the diagnosis, progress and treatment of the different gastro-intestinal and contagious diseases of childhood are unexcelled. Occasional outbreaks of infectious diseases in the constantly-changing inmates afford unusual illustration of the subjects taught in the course of pediatrics. A new building, embodying all the latest improvements, has recently been begun on land belonging to the University at Forty-second and Harney streets, directly across the road from the new clinical campus, of the plant to be located on which it will really form a part.

The Jennie Edmundson Hospital, Council Bluffs. This new Hospital at Council Bluffs is in professional charge of members of the faculty of this College. For surgical work its equipment is thorough, including a fine operating room. Clinics are held each week by Professors Macrae and Treynor in general medicine and in surgery. The new building recently completed, containing seventy beds, is a most modern institution.

The Tinley Rescue Home is under the direct supervision of Professors Somers and Pollard, and furnishes an abundance of material for clinical instruction. In addition to the normal cases, most of the obstetrical operations are performed in the presence of the members of the graduating class.

The Visiting Nurses' Association. The search of the Visiting Nurses' Association for deserving, unattended sick furnishes the members of the faculty of obstetrics many cases of confinement. These are assigned to members of the senior class under the direction of the obstetrical staff of the College.

HOSPITAL APPOINTMENTS

The Glenwood Institute for the Feeble Minded affords a salaried physician as a house physician for one graduate in medicine each year. At the Douglas County Hospital two internes are appointed by competitive examination each year. Two internes are chosen by competitive examinations given by the medical staff of the Omaha General Hospital. The following internships are filled exclusively from the graduating class of the College of Medicine for a service of one year: Three at the Nebraska Methodist Hospital; two at the Immanuel Hospital; two at the Clarkson Memorial Hos-

pital; one at the Wise Memorial Hospital; two at the Swedish Mission Hospital; one at the Jennie Edmundson Memorial Hospital.

Several graduates of the College secure positions each year in other hospitals in Nebraska and adjacent states. The faculty receives frequent inquiries from superintendents of hospitals desiring recent graduates for such positions. The proportionate number of these positions open to the college will thus be seen to be far beyond that open in the majority of medical schools, and under present conditions all capable students desiring hospital training may obtain the inestimable advantage of a year's hospital service before entering upon private practice.

Two graduates may also secure for six months of each year positions as assistant police surgeons. This is a valuable experience, as from fifty to one hundred emergency cases are treated by these men each month. In addition to regular internships for the graduating class opportunities are afforded several students of the senior class to serve in the various hospitals affiliated with the College of Medicine. These positions do not conflict with the scheduled work of the College, and supply valuable experience to the students so engaged.

PUBLIC ADDRESSES

To give medical students knowledge at first hand of important movements in medicine and allied sciences special convocations are held several times each year in Lincoln and Omaha on such dates as it is possible to secure speakers from abroad. Members of the medical faculty in Lincoln also give occasional addresses of general interest on medical subjects at the regular University convocations. In furtherance of the same idea the College of Medicine has aided in the formation within the Nebraska State Teachers' Association of an auxiliary section on "Popular Medical Education," the object being to discuss medical subjects of practical importance in our public schools.

LIBRARIES, PUBLICATIONS AND SOCIETIES

In Omaha the College of Medicine library contains about 1,000 volumes, including an up-to-date collection of text-books covering the entire range of medical science. This collection does not obviate the necessity of students having their own text-books, but offers greater opportunities for investigation of subjects in which they are specially interested. Periodical literature is also on file. The Omaha Public Library contains 60,000 volumes, including a good medical library, the use of which is free to students in the College.

In Lincoln the following libraries, aggregating 199,300 volumes, are

accessible to students: The University Library of 90,000 volumes, particularly strong in those scientific lines wherein lies the first two years' work of the student of medicine, and including special departmental libraries in botany, chemistry, hygiene, physiology, zoology, bacteriology, pathology, and medicine, and also the library of the Nebraska State Medical Society of 1,300 volumes. The Lincoln City Library, of 27,000 volumes, also having an alcove devoted exclusively to medical literature. The State Library of 65,000 volumes at the Capitol, including valuable medical works in certain lines. The Nebraska State Historical Society Library of 16,000 volumes, containing useful series of public documents, such as reports of state boards of health and of state hospitals and other institutions.

The Bulletin. The College of Medicine publishes an annual Bulletin, of the nature of a year-book and offered in exchange for other medical and college publications.

The Alumni Association of the College of Medicine maintains an active and efficient organization, of advantage to both the graduates and the University. The annual meeting is held in Omaha on Commencement day. Members of the association are requested to notify the Registrar and the secretary of the association when they change their address.

The Pathological Society is a club composed of members of the faculty in Lincoln which meets weekly for reviews of recent literature, reports or investigations carried on by its members, and the discussion of current scientific problems of medical interest.

The Medical Society of the University of Nebraska, at Lincoln, is a student organization to membership in which any student in the University at Lincoln looking forward to medicine is eligible.

GENERAL COLLEGE PRIVILEGES

Students in the College of Medicine have the privileges of other students in the University. The gymnasium is in charge of experts in physical training who advise each student as to the character and amount of physical exercise adapted to his case. For engaging in athletics there is abundant opportunity. Military drill is required of all students in the college years preparatory to the work in medicine, and in the first two years of the six-year combined course.

The Summer Session of the University affords opportunities to make up deficiencies in entrance requirements and in certain lines of laboratory work.

ORDER OF SUBJECTS IN THE SIX-YEAR COMBINED ACADEMIC AND MEDICAL COURSE

All students are urged to take this course, if possible, since it affords the best possible training with the greatest economy of time, and furthermore gives the student the advantage of possessing the bachelor's degree.

	FIRST YEAR	1st Semester	2d Semester
		Hours	Hours
Physics 1, 2*.....		2 or 3	2 or 3
Botany 1, 2.....		3	3
General Zoology (Zoology 1, 2).....		3	3
Rhetoric 1, 2.....		2	2
Modern Language (German).....		5	5
Military Drill		1	1
		<hr/>	<hr/>
		16 or 17	16 or 17
SECOND YEAR			
Physics 3, 4.....		2	2
Inorganic Chemistry, Volumetric Analysis (Chemistry 1, 2, 8).....		2	4
Medical Zoology (Zoology 15).....		2	
Vertebrate Anatomy (Zoology 6).....			4
Osteology (Zoology 7).....		2	
Modern Language (German or French).....		5	5
Psychology (Philosophy 3).....		3	
History of Medicine.....			2
Military Drill		1	1
		<hr/>	<hr/>
		17	18
THIRD YEAR			
General and Practical Anatomy (Anatomy 1, 2).....		6	5
General Physiology (Physiology 12).....			6
Embryology and Histology 1, 11, 2.....		4	3
Physical, Organic and Physiological Chemistry (Chem- istry 3, 25, 34).....		7	4
		<hr/>	<hr/>
		17	18
FOURTH YEAR			
Regional Anatomy (Anatomy 3).....		2	
Neurology (Anatomy 8, Histology 15).....		4	
Advanced Physiology (Physiology 13).....		4	
Pharmacodynamics			5
Bacteriology		4	
Pathology			6

* To students who can do so it is recommended that they elect the full course; if necessary, however, the course may be reduced to 2 hours.

	1st Semester Hours	2d Semester Hours
Clinical Diagnosis (Pathology 4).....		2
Toxicology (Chemistry 41).....	2	
Pharmacy	1	
Materia Medica		2
Elective		2
	—	—
	17	17

FIFTH AND SIXTH YEARS

The work of the last two years is identical with that of the Junior and Senior years of the Four-year Course below.

ORDER OF SUBJECTS IN THE FOUR-YEAR MEDICAL COURSE

FRESHMAN YEAR

General and Practical Anatomy (Anatomy 1, 2).....	6	5
Organic and Physiological Chemistry (Chemistry 3, 34)	5	4
General Physiology (Physiology 12).....		6
Embryology and Histology 1, 11, 2.....	4	3
Osteology*	1	
	—	—
	16	18

SOPHOMORE YEAR

Regional Anatomy (Anatomy 3).....	2	
Neurology (Anatomy 8, Histology 15).....	4	
Advanced Physiology (Physiology 13).....	4	
Toxicology (Chemistry 41).....	2	
Pharmacodynamics		5
Bacteriology	4	
Pathology		6
Clinical Diagnosis (Pathology 4).....		2
Pharmacy	1	
Materia Medica		2
Elective		2
	—	—
	17	17

JUNIOR YEAR

Special Pathology	1	1
Therapeutics	2	2
Sanitation and State Medicine	0	1
Surgical Anatomy	1	0
Physical Diagnosis	2	2
Medicine	4	4
Surgery	4	4
Obstetrics	2	2
Bandaging and Dressing.....	1	1

* For those who have not had the subject in the required college years.

	1st Semester Hours	2d Semester Hours
Prescription-Writing	1	
Pediatrics	1	0
Ophthalmology and Otology.....	0	1
	<hr/> 19	<hr/> 18
SENIOR YEAR		
Clinical Laboratory	2	2
Nose and Throat.....	1	1
Gynecology	2	2
Surgery Conference and Practice.....	3	3
Obstetrics	2	2
Mental and Nervous Diseases.....	1	1
Dermatology	1	1
Therapeutics	1	1
Jurisprudence	0	1
Life Insurance Examination.....	1	0
Ophthalmology and Otology.....	1	1
Medicine	3	3
	<hr/> 18	<hr/> 18

NOTE—Dispensary and sectional clinics in addition throughout the year.

HOURS DEVOTED TO EACH SUBJECT—Concluded

	First Year		Sec'd Year		Third Year				Fourth Year			Entire Course				Total
	Lect. and Recit.	Laboratory	Lect. and Recit.	Laboratory	Lect. and Recit.	Laboratory	Clinics	Dispensary	Lect. and Recit.	Laboratory	Clinics	Lect. and Recit.	Laboratory	Clinics	Dispensary	
SANITATION AND HYGIENE ..	...	...	...	...	32	...	...	...	60	30	30	32	...	...	...	32
GYNECOLOGY .....	...	...	...	...	...	...	...	...	...	...	...	...	30	30	...	120*
	(Assignment to Dispensary)															
OBSTETRICS .....	...	...	...	...	96	...	...	...	60	...	...	156	...	...	...	156*
	(Assignment to Cases, Manikin Demonstrations, etc.)															
DISEASES OF EYE AND EAR ..	...	...	...	...	16	...	...	...	30	...	30	46	...	30	...	76*
	(Assignment to Dispensary)															
DISEASES OF NOSE AND THROAT .....	...	...	...	...	...	...	...	...	46	...	14	46	...	14	...	60*
	(Assignment to Dispensary)															
MENTAL AND NERVOUS DISEASES .....	...	...	...	...	...	...	...	...	30	...	14	30	...	14	...	44*
	(Assignment to Dispensary)															
PEDIATRICS .....	...	...	...	...	16	...	16	...	30	...	30	46	...	46	...	92*
DERMATOLOGY .....	...	...	...	...	...	...	...	...	30	...	16	30	...	16	...	46*
GENITO-URINARY DISEASES .....	...	...	...	...	...	...	...	...	30	...	60	30	...	60	...	90
Medical Jurisprudence .....	...	...	...	...	...	...	...	...	14	...	...	14	...	...	...	14
Drug-room and Dispensary .....	...	...	...	...	...	...	...	150	...	...	...	...	...	...	150	150
	400	848	400	752	704	128	304	150	570	32	434	2078	1758	738	150	4720
Total for each year	1248		1152		1286				1034			4720				
	1st yr.		2d yr.		3d yr.				4th yr.			Entire Course				

* The time assigned to these departments is really somewhat greater, since they share in the dispensary work; it is difficult, however, to estimate this increment exactly.

DIDACTIC AND LABORATORY INSTRUCTION*

ANATOMY

Professor Poynter, Adjunct Professor Walker, Dr. Wekesser, Dr. Rubendall, Dr. Hilton; in Omaha, Associate Professor Stokes

This department aims to present the subject of human anatomy in a thoroughly scientific manner. The laboratory work is done under constant surveillance. The modeling of bones and drawing of them and of soft parts from the subject as exposed in dissection are also prescribed in the course. The student is required to take frequent individual quizzes upon the cadaver; to demonstrate all parts dissected to a demonstrator; to attend class quizzes two or three times a week; and to pass occasional review quizzes and an individual oral final examination. The lectures supplement the laboratory work, dealing with such facts from embryology, comparative vertebrate anatomy, etc., as will add breadth to the students' view of the field.

The work in anatomy is preceded by courses in general zoology and comparative vertebrate anatomy and is so arranged as to secure a logical development of the subject. In the first year of the course the ground covered is osteology, and the whole of practical anatomy (Anatomy 1, 2), except the nervous system. In the following year follows a review of the subject of descriptive anatomy, together with regional and topographical anatomy (Anatomy 3); the last leads up to surgical anatomy in the junior year (Anatomy 5, 6), and thus the student comes directly to the application of the subject in clinical work. The anatomy of the nervous system is taken up in the first semester of the second year (Anatomy 8), the study of the gross structure being correlated with a study of the histology (Histology 15).

The laboratory occupies rooms for lectures and quizzes, for osteology, for dissection, locker-room, preparation room, and store rooms. The dissecting room is divided into small rooms, one for each table, each under a large skylight and each provided with electric lights for dark days. To assist the student in his work, charts, models, anatomical preparations and carefully selected works of reference are close at hand for ready consultation.

1. **General and Practical Anatomy**—Introductory principles; general descriptive anatomy. Laboratory work; osteology; dissection of human arm, leg, and trunk, exclusive of the viscera; urino-genital organs. Four hours quiz. Ten hours laboratory with demonstrations. Six hours credit if taken in full; five hours if taken by those who have previously completed osteology (Zoology 7) or its equivalent. First semester, freshman year.

Professor Poynter, Adjunct Professor Walker, and Demonstrators

* For details in regard to courses in Language and Rhetoric, the reader is referred to the catalogue of the College of Arts and Sciences.

2. **General and Practical Anatomy**—1 continued. Laboratory work; dissection of head, neck, and viscera. Three hours quiz. Eight hours laboratory. Five hours credit. Second semester, freshman year.

Professor Poynter, Adjunct Professor Walker, and Demonstrators

3. **Applied Anatomy**—Lectures and demonstrations on the cadaver; regional and topographical anatomy; relationships of anatomic details; practical application. Two hours attendance. Four hours laboratory. Two hours credit. First semester, sophomore year.

Professor Poynter

5. **Surgical Anatomy**—Lectures, illustrated by charts, models and museum specimens; practical work on the cadaver. Designed to apply anatomy to surgery. Two hours lecture. First semester, junior year.

Associate Professor Stokes

8. **Anatomy of the Nervous System**—Including a study of the organs of special sense. Two hours quiz. Four hours laboratory. Two hours credit. First half, first semester, sophomore year.

Professor Poynter

11. **Advanced Anatomy**—For those who have had Anatomy 1, 2 and 3, or a complete dissection of the body, and who desire to review the subject or to cover the anatomy of certain regions. Credit from two to five hours. Fee graduated. Elective. First semester.

Professor Poynter

12. **Advanced Anatomy**—Continuation of course 11. Second semester.

BACTERIOLOGY AND PATHOLOGY

Professor Waite, Doctor Pilsbury, Doctor Emerson,
Doctor Welch, Doctor Everett

BACTERIOLOGY

This course aims to build a firm foundation for the subsequent practical work in bacteriology. The study of form, structure, multiplication, requirements of growth and the chemical products is followed by applying the facts acquired to fermentation and putrefaction. In the latter half of the course pathogenic organisms are dealt with exclusively. The various ways in which bacteria gain entrance to the body, the changes which they bring about, and their final removal from the body are thoroughly explained. Attenuation and immunity are carefully discussed. Each of the bacterial diseases is then considered from the point of view of etiology. In the laboratory the preparation of culture media is first taken up. This is followed by a study of their growth on the various media. By these means both non-pathogenic and pathogenic organisms are isolated and identified. A thorough grounding in disinfection and sterilization is required by practical application of the principles discussed in lecture. Animals are inoculated in the presence of the class, which is required to isolate the organisms from the tissues of the animal and grow them in pure culture. Special attention is given to the practical bearing of methods of bacteriological diagnosis.

1. **Bacteriology**—Four hours lecture and quizzes. Eight hours laboratory. Four hours credit. First semester, sophomore year.

Professor Waite, Doctor Emerson

PATHOLOGY

The subject of general pathology is thoroughly reviewed. The origin of disease, disturbances of circulation, retrograde changes, inflammation and tumors are carefully studied. In conclusion the diseases of special organs are taken up according to their relative importance. In the laboratory the student is required to identify about one hundred and fifty specimens, and, with the aid of the instructor, work out departures from the normal. From the facts thus acquired a diagnosis is made. Descriptions of all sections and drawings of all typical specimens are required to familiarize the student with recording changes seen and to train him in accuracy of observation.

2. Pathology—Five hours lecture and quizzes. Ten hours laboratory. Six hours credit. Second semester, sophomore year.

Professor Waite, Doctor Emerson

4. Clinical Diagnosis—Normal and pathological blood, urine, gastric fluid, feces and sputum. Blood is studied carefully in relation to its value in diagnosis; laboratory methods of staining, counting and observation of all kinds of blood. Routine work in examining normal and pathologic gastric secretions, urine and feces. Four hours attendance. Two hours credit. Second semester, sophomore year.

Doctor Everett, Doctor Welch

BOTANY

Head Professor Bessey, Assistant Professor Walker, Mr. Boostrom

Three laboratories.—general, advanced, and physiological,—on the main floor of Nebraska Hall, with the plant-house, provide working room for undergraduate students. Microscopes, paraffin ovens, culture apparatus, microtomes, and other apparatus are furnished as needed. The botanical store-room is stocked with chemicals, stains, glassware, and other supplies and apparatus.

1. General Botany—Introduction to structure of plants (cells, tissues, tissue system). General morphology and physiology of representative species. Three hours lecture and additional readings. Four hours laboratory. Three hours credit. First semester.

Head Professor Bessey, Assistant Professor Walker, Mr. Boostrom

2. General Botany—The general morphology and physiology of representative species, including flowering plants. Continuation of course 1 and with it furnishing a basis for plant. Materia medica. Second semester.

Head Professor Bessey, Assistant Professor Walker, Mr. Boostrom

CHEMISTRY

Professor Dales, Adjunct Professor Fossler, Adjunct Professor Borrowman, Mr. Wilson, Miss Graham

A general survey of chemistry, inorganic and organic, including the nature of chemical processes and the use of apparatus.

Instruction by the lecture-laboratory method.

Advanced students having the necessary experience and knowledge do research work under guidance.

D. The Non-Metallic Elements—This course is designed to give a general view of chemistry, including the general principles, and taken by students entering without a high-school course. The lectures are highly illustrated with experiments and the fundamental principles of the science are emphasized. The non-metallic elements are given special consideration. Three hours lecture. One hour quiz. Eight hours laboratory. Four hours credit. First semester.
Professor Dales, Mr. Wilson, Miss Graham

1. Qualitative Analysis—Elementary course required of technical and scientific students. Must be preceded by Course D or its equivalent. Two hours attendance. Four hours laboratory. Two hours credit. First semester.
Adjunct Professor Borrowman, Mr. Wilson, Miss Graham

2. Qualitative Analysis—1 continued. Introduction to quantitative analysis included. Elementary course required of technical and scientific students. Prerequisite: Course 1. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.
Adjunct Professor Borrowman, Mr. Wilson, Miss Graham

1 and 2 (combined course). Qualitative Analysis. Four hours attendance. Eight hours laboratory. Four hours credit. Second semester.
Professor Dales, Mr. Wilson, Miss Graham

8. Volumetric Analysis—Including also electrolytic analysis, the sanitary analysis of water, and the analysis of gases. One hour attendance. Four hours laboratory. Two hours credit. First or second semester.
Mr. Wilson

3. Elementary Organic Chemistry—The important classes of organic substances. Preparation in laboratory, of typical compounds. Three hours lecture, two hours quiz. Eight hours laboratory. Five hours credit. First semester, freshman year.
Adjunct Professor Fossler

25. Physical Chemistry—Elementary course; the general principles of physical chemistry with applications to chemistry and to other sciences. Required in six-year course; elective in four-year course. Two hours credit. First semester.
Professor Dales

34. Physiological Chemistry—The organic compounds and chemical processes of physiological importance. Useful in subsequent study of practical medicine. Prerequisite: Courses 1, 2, and 3. Three hours lecture. One hour quiz. Seven hours laboratory. Four hours credit. Second semester, sophomore year.
Adjunct Professor Fossler

11. Toxicology—Physiological properties of and methods for detecting poisons. Must be preceded by courses 1, 2 and 3. Two hours lecture, one hour quiz. Three hours laboratory. Two hours credit. First semester.
Adjunct Professor Fossler

HISTOLOGY AND EMBRYOLOGY

Professor Willard, Mr. Wells

1. Vertebrate Embryology—A brief survey of vertebrate development with special reference to morphogenesis and histogenesis of organs. The course is arranged to correlate as closely as possible with those in histology

and gross anatomy. The chick and pig are used chiefly for laboratory study, with illustrative material from other groups. The dissection of the fetal membranes and their relation to the uterus form a part of the laboratory study. Two hours lecture. One hour quiz and eight hours laboratory work for eight weeks. Three or four hours credit. First half of first semester, freshman year.
Professor Willard, Mr. Wells

11. General Vertebrate Histology—The finer structure of the vertebrate tissues with special reference to mammals and man. Tissue differentiation is logically presented by way of histogenesis and the functional significance of the structural changes emphasized. Two hours quiz. Eight hours laboratory for eight weeks. Two hours credit. Second half, first semester, freshman year.
Professor Willard, Mr. Wells

12. Histology of Organs—The microscopical study of mammalian organs with reference to their tissue constituents and their ultimate relation to blood and lymph supply. The effort is made to bridge the gap between microscopical and gross anatomy by the handling and dissection of fresh mammalian organs in connection with section study. Human material is used where its preservation can be controlled and normal structure insured. Instruction and practice in histological technique is provided for in supplementary courses which may be taken at same time. Two hours quiz. Four hours laboratory work. Three hours credit. Second semester, freshman year.
Professor Willard, Mr. Wells

13. Advanced Histology and Embryology—This is a course designed to give opportunity for a more comprehensive study of certain organs that cannot adequately be considered in the required courses. This applies particularly to the nervous and sense organs. Arranged for laboratory and quiz work. Equivalent to a two or three hours credit. Elective. Prerequisite: Courses 1 and 2.
Professor Willard

15. Neurology—The microscopical anatomy of the human brain, based upon a study of sections prepared to show principally fiber tracts and end muscles. The course is closely correlated with Anatomy 8. Two hours quiz. Four hours laboratory. One hour credit. Second half, first semester, sophomore year.
Professor Willard

HISTORY OF MEDICINE

Doctor Orr

1. History of Medicine and Medical Literature—Lecture and study course dealing with men who have contributed to medical knowledge from the earliest times to the present. Development of medicine in its different branches as an abstract department of knowledge. Reading and note-taking. Special study of library methods and medical literature, medical cataloging and bibliography. Two hours lecture. Two hours credit. Second semester.

HYGIENE, SANITATION AND STATE MEDICINE

Professor Towne

1. Sanitation and State Medicine—Relation of medical profession to public health. Theoretical consideration. Results of practical experience.

Quarantine regulations of Nebraska. Air, water, climate, soil, heating, ventilation. Municipal and private water supply. Milk. Sewage, disposal of waste. Public and private management of transmissible diseases. Epidemics, contagion, and disinfection. Two hours lecture. First semester, junior year.

CLINICAL PATHOLOGY

Doctor Bliss, Doctor Manning

The course in general and special pathologic anatomy and histology is specially designed to apply to the principles of general pathology, to organic and systematic abnormal alterations, and to bring out the close relations of these alterations to clinical symptoms.

Instructions by the lecture-laboratory method, each exercise being a didactic quiz.

Each student is required to write a résumé on some assigned subject and to present it before the class.

In addition to this all the students attend and assist at autopsies, make a study of the gross pathologic appearance and later see sections of the tissue.

The work in Clinical Pathology covers examinations of blood, feces, urine, gastric contents, sputum, and other secretions and excretions from the chemical and microscopical standpoints. Especial attention is paid to the study of normal and pathologic blood, in fresh and stained conditions.

1. **Pathologic Anatomy**—Lectures, demonstrations and quizzes in special pathology, post mortem technique and gross pathology. Two hours. First semester, junior year.

2. **Pathologic Anatomy**—1 continued. Second semester.

3. **Pathologic Anatomy**—Conferences on current problems of general and special pathology for half the class. Two hours. Second semester, junior year.

4. **Clinical Diagnosis**—First semester, junior year, two hours lecture and demonstrations. Some work outside of regular hours is also required.

5. **Clinical Diagnosis**—Members of the senior class examine specimens, obtained from clinical cases, in the laboratory under the supervision of the professor in charge and report to the professor holding the clinic. First semester, senior year.

6. **Clinical Diagnosis**—5 continued. Second semester.

PHARMACOLOGY

Professor Lyman, Adjunct Professor Stevens, Doctor Rowe, Mr. Perusse, Miss Day

The physiological action of the principal drugs used in medicine are studied in detail. The laboratory work consists of an injection of a drug into a lower animal. The amount necessary to produce the physiological effect is watched and the changes produced in the vital phenomena are observed. Finally the application of the drug is considered. Sufficient time will also be given to the subject to thoroughly familiarize the student

with the preparations of various drugs and their comparative values, methods of administration and conditions which influence their action.

1. **Pharmacy**—A laboratory course intended to familiarize the student with the fundamental processes in pharmacy, including manufacture, compounding, and dispensing of official preparations. Three hours quiz and laboratory. One hour credit. First semester, sophomore year.

Mr. Perusse, Miss Day

2. **Pharmacodynamics**—An experimental study of the physiological action of the drugs of therapeutic value. Two hours quiz. Six hours laboratory. Five hours credit. Second semester. Professor Lyman, Miss Day

4. **Materia Medica**—A general discussion of the subject, the elements of prescription writing, and the use of the United States Pharmacopœia and the National Formulary. A didactic and laboratory study of the origin, natural history, preparations, and methods of using individual drugs. Two hours attendance. Two hours laboratory. Two hours credit. Second semester.

Adjunct Professor Stevens, Doctor Rowe

PHYSICS

Professor Skinner, Professor Moore, Professor Almy, Assistant Professor Heck, Mr. Tool, Mr. Spencer

The department of physics occupies a building erected especially for the department, conveniently arranged, with all needed facilities, and well supplied with apparatus.

1. **General and Experimental Physics**—Mechanics of solids and fluids. Two hours lecture with illustrative experiments. Solution of problems. Four hours laboratory. Three hours credit, but may, if necessary, and with the consent of the Dean and head of the department, be elected as a two-hour course, by omitting certain problem work. First semester.

Professor Almy, Assistant Professor Heck, Mr. Tool, Mr. Spencer

2. **General and Experimental Physics**—Heat and sound. As in 1. Second semester.

3. **General and Experimental Physics**—Electricity. Two hours lecture with illustrative experiments. Four hours laboratory. Two hours credit. First semester.

Professor Skinner, Professor Moore, Mr. Spencer

4. **General and Experimental Physics**—Light. As in 3. Second semester.

PHYSIOLOGY

Professor Guenther

A consideration of the facts and theories of vital phenomena, presented with special reference to their application in medicine.

12. **Advanced Physiology**—Combined lecture, demonstration and laboratory course. Four hours quiz. Eight hours laboratory. Six hours credit. Second semester, freshman year.

Professor Guenther

13. Advanced Physiology—12 continued. Three hours quiz. Three hours laboratory. Four hours credit. First semester, sophomore year.
Professor Guenther

PSYCHOLOGY

Professor —————

General Psychology—A course designed to acquaint the student with the principles of Psychology and with the facts used in the examination of psychological phenomena.

THERAPEUTICS

Professor Crummer, Doctor Jefferson, Doctor Manning

1. Therapeutics—All drugs which under the test of modern investigation have been found useful in treatment of disease and disease symptoms. Direct application of the scientific data obtained through pharmacodynamics to the alleviation of suffering. Questions of treatment considered as matters of direct argument from physiology and pathology rather than as mere memory work. Assigned reading given out on each special topic before the lecture. Personal quizzing; prescription writing demanded as a part of each quiz. One hour a week. First semester, junior year.

Doctor Manning

2. Therapeutics—1 continued. Second semester, junior year.

3. Therapeutic Measures Other Than Drugs—Importance of many forms of mechanical, physical and hygienic treatment of recent emphasis in therapeutics. Indication and application of these various measures. Hygiene, diet, massage, exercise, newer ideas of mechanical therapeutics; newer developments of immunity and serum treatment. One hour lecture or quiz. First semester, junior year.

Doctor Jefferson

4. Therapeutics—3 continued. Second semester, junior year.

5. Clinical Therapeutics—Practical course. Necessity for definite plans of treatment based upon logical reasoning shown in the more prominent diseases. Will embrace the direct application of all forms of therapeutic aid. Lectures, quizzes and clinics. As full clinical practice by student as possible in necessary therapeutic manipulations, such as catheterization, anesthetization, etc. In clinics special attention paid to analyzing cases for therapeutic indications. One hour a week at college, one hour a week at hospital. First semester, senior year.

Professor Crummer

6. Clinical Therapeutics—5 continued. Second semester, senior year.

7. Seminar in Therapeutics—Arranged at opening of school year. Each student will make an investigation and report upon some of the modern specialized forms of therapeutics, such as Nauseum treatment, Carlsbad treatment, Finsen treatment. Careful investigation of the topic; criticism by the instructor. Report to class. Class discussion. Senior year. By appointment.

Professor Crummer

ZOOLOGY

Head Professor Wolcott, Professor Powers, Associate Professor Barker, Mr. Medlar, and Assistants; Professor Willard

The laboratory has Zeiss and Leitz microscopes, Reinholt-Giltay, Minot and Thoma microtomes, Lillie and Naples paraffin baths, and all necessary subsidiary apparatus. The department library adjacent and freely accessible contains 2,000 works on animal morphology and physiology. A series of specimens from the Naples Zoological Station, one of injected tissues by Thiersch, and embryological models by Ziegler, Dahlgren, and others, is included in the illustrative material.

1. General Zoology—For beginners and those wishing a general insight into methods and principles of the science. The lectures cover the general principles of morphology, physiology, development, distribution, classification and evolution of animals; laboratory work, an intensive study of types drawn from the Protozoa and simpler invertebrates, together with subsidiary cytological and embryological material. Three hours attendance. Four hours laboratory. Three hours credit. By proportionate increase in laboratory and in assigned reading, five hours credit. First semester.

Professor Powers and Assistants

2. General Zoology—1 continued. Second semester.

A. General Zoology—For beginners and those who desire to complete a year's work in general zoology in one semester. This course covers the same field as courses 1 and 2. Five hours attendance. Eight hours laboratory. Five hours credit. Second semester.

Associate Professor Barker, Mr. Medlar

6. Comparative Anatomy of the Vertebrates—The lecture covers the entire group of vertebrates. The laboratory work includes the dissection of a fish, amphibian, reptile or bird, and mammal, with demonstrations from preparations in other groups. Methods of preparing dissection material and making injections of circulatory system. Three hours attendance. Eight hours laboratory. Four hours credit. Second semester. Prerequisites: Courses 1 and 2, or equivalent. Professor Willard and Assistants

7. Comparative Osteology of the Vertebrates—A study in morphology, with the skeleton as a basis. The lectures are general and comparative; the laboratory work involves a detailed study of the human skeleton. Two hours attendance. Four hours laboratory. Two hours credit. Should be preceded or accompanied by Courses 1 and 2 or A.

Head Professor Wolcott

15. Medical Zoology—Lectures on morphology, taxonomy and economic relations of the groups Protozoa, Platyhelminthes, Nematelminthes and Arthropoda and their rôle in the production and transmission of disease. The laboratory work comprises gross dissection and microscopical study and serves as an introduction to microscopical technique. Intended especially for the medical student. Three hours attendance. Four hours laboratory. Two hours credit. First semester. Prerequisites: Courses 1 and 2.

Associate Professor Barker

CLINICAL INSTRUCTION

SECTION METHOD IN CLINICS

At the beginning of each year the senior class is divided into sections of three students each. Some of these attend section clinics daily at the various hospitals, each professor inviting the sections in regular rotation. These section clinics, both medical and surgical, afford extensive facilities for the most effective kind of clinical teaching—individual instruction. In physical diagnosis the student has ample practice, being required to make examinations and to reach a logical diagnosis. The instructor explains each case as fully as possible and then outlines the treatment. By this section-clinic method of instruction the student gets much more positive information than he can in the large general clinics.

INTERNAL MEDICINE

Professor Bridges, Professor Milroy, Professor Treynor, Doctor Peterson, Doctor Goetz, Doctor Bliss. By invitation, Col. J. M. Banister, M. D., U. S. A. Clinical Assistant: Doctor Truelsen

1. **Physical Diagnosis**—General principles. Demonstration of topography of head, chest, and abdomen. Physical signs in health learned by direct personal examination. Lectures treat of normal conditions. Two hours lecture and recitation. First semester, junior year.

Doctor Truelsen

2. **Physical Diagnosis**—1 continued. Physical signs in disease, and their clinical demonstration on cases taken from dispensary and hospital wards. Second semester, junior year. Three hours. Doctor Truelsen

3. **Internal Medicine**—General diseases, including infections and diseases of stomach and intestines, lungs and kidneys. All diseases pertaining to internal medicine; regular recitations held thereon afford theoretical knowledge of the etiology, pathology, symptomatology, diagnosis, and treatment of disease. In clinic in College building the cases are selected from outdoor dispensary, and usually represent seasonable diseases of the ambulatory type. First semester, junior year. (a) One hour lecture. Doctor Bliss. (b) Four hours recitation. Doctors Peterson and Goetz. (c) One hour clinic. Doctor Bliss. Two hours clinic, Douglas County Hospital or Immanuel Hospital. Professor Milroy, Doctor Ludington, Doctor Truelsen.

4. **Internal Medicine**—3 continued. Second semester.

5. **Internal Medicine**—Includes subjects not studied in junior year. Elucidation of cases seen in hospital clinics, and of cases in private practice, illustrative of the subjects under consideration. Two hours weekly in conference. Members of senior class in rotation are assigned cases for examination and study in the dispensary clinic or at one of the affiliated hospitals, and present a written report thereon before the class and professor.

A full discussion of the case follows; etiology, pathology, symptoms, diagnosis, prognosis, and treatment are discussed. One clinic each week in College building, on cases selected from the large amount of material furnished by the dispensary. Two hours weekly at the Douglas County Hospital or the Immanuel Hospital; two hours weekly at the Methodist Hospital. Careful direction here given to elaboration of clinical histories and to physical examination of chest and abdomen. Sputum, urine, and blood of patients examined by sections of the class in the college laboratory under direction of professor of pathology and reports made thereon. First semester, senior year. (a) One hour lecture. Doctor Ludington. Two hours conference. Professors Bridges and Milroy. (b) Two hours clinics in the College. Doctors Truelsen and Bliss. (c) Four hours hospital clinics. Professors Milroy, Bridges, Doctor Ludington, Doctor Truelsen.

6. Internal Medicine—5 continued. Second Semester.

7. Special Clinics—To those clinics in above-mentioned hospitals, and also in the Jennie Edmundson Hospital, Council Bluffs, sections of the senior class are invited in rotation. Especial attention to diseases of the heart, lungs, and kidneys. The small classes are enabled to make close study of cases. First semester, senior year.

Professors Bridges, Milroy, and Treyner

8. Special Clinics—7 continued. Second semester.

9. Tropical Medicine—Lectures on the distribution, etiology, diagnosis, and treatment of such tropical diseases as are of practical importance to American physicians in view of our increasing commercial intercourse with tropical countries by reason of our possessions in the West Indies, in Panama Canal Zone, and in the Islands of the Pacific. The endemiology and epidemiology of such diseases with the general and special sanitary measures adapted to the prevention, control, and suppression of the same. One hour lecture each week. Second semester, senior year. Doctor Banister

11. Life Insurance Examinations—The nature and growth of life insurance; elementary principles of life insurance; duties and responsibilities of examiners; influence of different diseases, heredity, occupation and habits on expectancy of life; proper technique in examining applicants for life insurance. First semester, senior year. Doctor Cloyd

SURGERY

Professor Jonas, Professor Davis, Professor Macrae, Jr., Associate Professor Stokes, Doctor Hunt, Doctor Edmiston, Doctor Hull, Doctor Morison, Doctor Hollister

1. Principles of Surgery—Principles of surgery; full description of the classification of tumors, their pathology, differentiation, relation to general diseases, manifestations, operative and non-operative methods of treatment. Subjects assigned for recitation covering lectures on principles of surgery, surgical pathology and tumors, the practice of surgery, surgical diseases, fractures and dislocations. At the College Dispensary cases are presented for diagnosis, operation and treatment. At this clinic a consid-

erable number of minor surgical cases receive attention, minor operations often being performed. Clinics at Douglas County and Immanuel hospitals; operations for all manner of surgical diseases. Practical use of anesthetics, both local and general, considered at these clinics. First semester, junior year. (a) Two hours lecture. Professor Davis. (b) Four hours recitation. Doctors Hull and Hollister. (c) Two hours dispensary clinic. One hour. hospital clinic. Professors Jonas and Davis, Doctors Hull, Morison and Hollister.

2. Principles of Surgery—1 continued. Second semester.

3. Bandaging—Uses and application of bandaging, plaster of Paris (including its preparation) and other surgical dressings. Practical work under the direction of the instructor. One hour weekly. First semester, junior year. Doctor Edmiston

4. Experimental Surgery—Intended to familiarize student with principles of surgical technique and asepsis by actual operations performed on animals, and done with the same care as on the human body. Optional for juniors, second semester. Three hours clinic. Associate Professor Stokes

5. Practice of Surgery—Covers part of ground gone over in recitations of junior year. References to observations in hospital clinics frequently recalled and elaborated to fix essential points in diagnosis and treatment. Subjects of hospital clinics brought up for conference in the class-room, when cases are more thoroughly discussed than the time allotted in operative work permits. Members of the class in rotation assigned cases for examination, or illustrative cases cited upon which they are required to make reports on diagnosis, pathology, and treatment. Reports critically discussed in conference. Two hours general clinic at the College Dispensary, principally on minor surgery, including examination, diagnosis, treatment and minor operations. Two hours at Nebraska Methodist Hospital in general and major surgery, at which cases illustrative of the lecture course in practical surgery are thoroughly demonstrated and at which there are regular operations on all regions of the body. Two hours at Immanuel, Wise Memorial, or Douglas County hospitals, also furnish opportunity for similar instruction. Members of the class required to assist at operations and administer anesthetics under direction as occasions arise. First semester, senior year. (a) One hour lecture. One hour conference. Professor Jonas. (b) Six hours clinics. Professors Jonas and Davis.

6. Practice of Surgery—5 continued. Second semester.

8. Demonstrations—Each member of the class individually instructed in performing surgical operations on the cadaver. He is required to master the details and steps of the more common operations necessary in practice, and is called on at times to perform ligations, amputations, excisions, celiotomies for various abdominal diseases, paracentesis, pleurotomy, rib resection and replaphing. Second semester, senior year.

Professor Jonas, Doctor Morison

9. Section Clinics—Special clinics by appointment in all of the hospitals mentioned above and the Jennie Edmundson Hospital, Council Bluffs. These

clinics afford work in all branches of general and special surgery. First semester, senior year.

Professors Jonas, Davis, Macrae, Jr., and Associate Professor Stokes

10. **Section Clinics**—9 continued. Second semester.

12. **Oral Surgery**—Short course of lectures on the surgery of the mouth, in its relation to diseases of the teeth and alveolar processes; care of teeth and influence of neglect of mouth in production of general and stomach disorders. Second semester, senior year. Doctor Hunt

13. **Laboratory Course in Surgical Pathology**—Gross and microscopic specimens demonstrated from a diagnostic point of view.

Doctors Hollister and Kennedy

ORTHOPEDIC SURGERY

1. **Orthopedic Surgery**—Various deformities; diagnosis, pathology and treatment. Joint diseases; their mechanical and other treatment. Practical study of the subjects of the lectures at surgical clinics in Omaha and Douglas County hospitals. Operative procedures and the study of progress in the cases treated. One hour lecture. First semester, senior year.

Professor Jonas

2. **Orthopedic Surgery**—1 continued. Second semester.

GENITO-URINARY SURGERY

A systematic course, including the use of the cystoscope and endoscope, is given on the diseases affecting the genito-urinary organs. In the dispensary clinic the practical application of these instruments, the use of sounds, and local treatment of the mucous membrane of the urethra and bladder are studied. Section clinics at the Douglas County Hospital offer opportunities for the study of venereal diseases, including syphilis in all stages. Operations upon the perineum, testicle, prostate and bladder are performed with the assistance of members of the sections.

1. **Genito-Urinary Surgery**—One hour lecture. One hour clinic. First semester, senior year. Associate Professor Stokes

2. **Genito-Urinary Surgery**—1 continued. Second semester.

3. **Laboratory Demonstrations**—Practical demonstrations in laboratory on pathology of genito-urinary diseases.

Associate Professor Stokes or Assistant

OBSTETRICS

Professor Somers, Adjunct Professor Pollard

For practical work in obstetrics the material is ample. Each student is shown one case during the last semester of the junior year, special advantages being afforded students remaining in the city during the summer months. An obstetric clinic from 2 to 4 p. m. Saturdays is in successful

operation in connection with this department, at which the students are taught antepartum diagnosis, physiological and pathological pregnancy, and shown cases of interest that may be under observation at the time. All material at the Tinley Home and for six months of the year at the County Hospital is utilized for this purpose. Written reports of all clinical obstetric work is required and every student must have reported at least five cases of confinement before coming up for graduation.

1. Anatomy and Physiology of the Female Pelvic Organs—Development of the ovum; hygiene and management of pregnancy, its signs, diagnosis and pathology. Subject of lectures assigned for study and recitation. Three hours recitation. First semester, junior year.

Adjunct Professor Pollard

2. The Theory and Practice of Obstetrics as Applied to Normal and Abnormal Labor—Lectures illustrated by charts, diagrams and models. Three hours lecture. Second semester, junior year.

Adjunct Professor Pollard

3. Obstetrics—Mechanism of labor, difficult labor, pathology of puerperal state, and the new-born child. Exercises on manikin in diagnosing position and presentation, including a review of mechanism of normal and abnormal labor. Two hours lecture. First semester, senior year.

Professor Somers

4. Obstetric Surgery—History and description of all obstetric operations, with a demonstration of all necessary instruments and their uses. Two hours lecture weekly. Second semester, senior year.

Professor Somers

5. Attendance on Obstetrical Cases—The various lying-in hospitals, including the Douglas County Hospital, afford abundant opportunity for the assignment of obstetric cases to members of senior class under direction. During such attendance he is excused from other college exercises. Under direction and in presence of the professor or one of his assistants, he makes examinations, both by abdominal and vaginal palpation, suggests diagnosis, studies the progress of labor and in case operative procedure is necessary, witnesses and assists at operations. Practical use of anesthetics in labor. Second semester, junior year, and first semester, senior year.

Professor Somers, Adjunct Professor Pollard

7. Pathology—Normal and morbid anatomy of placenta and pregnant and puerperal uterus. Practical demonstrations in the laboratory. First semester, junior year.

8. Pathology—7 continued. Second semester.

GYNECOLOGY

Professor Findley, Doctor Hollister. Clinical Assistants: Doctor Jefferson, Doctor Fairchild

The instruction in diseases of women consist largely of practical demonstrations. The lectures are illustrated by stereopticon views of pathological

lesions and operative procedures, and in order that the student may be thoroughly grounded in the essentials of diagnosis the lectures and clinics are supplemented by a laboratory course in gynecological diagnosis where gross and microscopic specimens of the various lesions of the female genitalia are demonstrated. The dispensary clinic, held daily in the College building, is regarded as a most important part of the clinical teaching. It is in these clinics that the student is trained in clinical diagnosis and where he may best be instructed in principles of treatment. One college clinic each week is held in the Wise Memorial Hospital throughout both semesters where cases are presented for diagnosis and treatment.

1. **Gynecology**—Subject covered by didactic lectures and oral and written quizzes two days weekly. Supplemented by epidiascope illustrations, demonstrations of instruments, casts and pathological specimens. One clinic each week at Clarkson Memorial Hospital, where cases are presented for diagnosis and operations. A special feature of the clinic is the opportunity given each student to make examinations under anesthesia. One hour each day devoted to clinics in the dispensary, where small groups of students are permitted to examine patients, to write histories, and to apply local treatments. First semester, senior year. (a) Lectures. Professor Findley. (b) Demonstrations. Professor Findley, Doctor Hollister. (c) Hospital clinic. Professor Findley, Doctor Hollister. (d) Dispensary clinics. Doctors Hollister, Jefferson, and Fairchild.

2. **Gynecology**—1 continued. Second semester.

3. **Gynecological Diagnosis**—A laboratory course, in which the gross and microscopic pathology of gynecological lesions are studied. These demonstrations, together with the lectures and clinics, are intended to supplement amphitheater discussions of pathology. Special stress is laid upon microscopic diagnosis of uterine scrapings and excised pieces. Opportunity is afforded students to do special laboratory work on fresh material from the clinics. First semester, senior year. Professor Findley, Doctor Hollister

4. **Gynecological Diagnosis**—3 continued. Second semester.

OPHTHALMOLOGY AND OTOTOLOGY

Professor Gifford, Doctor Lemere, Doctor Patton

1. **Ophthalmology**—Anatomy and physiology of the eye. Use of the ophthalmoscope; practical study of normal fundus; theory of refraction and retinoscopy. Ten lectures. First semester, junior year. Doctor Patton

3. **Otology**—Anatomy and physiology of the ear. Use of otoscope; practical study of normal drum membranes; application and theory of acoustic tests. Ten lectures. First semester, junior year. Doctor Lemere

4. **Practical Course**—Study in dark rooms at the College Dispensary. One hour weekly. Second semester, junior year.

Doctor Lemere, Doctor Patton

5. **Ophthalmology and Otology**—External and internal diseases of the eye and ear and their differential diagnosis. The clinics furnish abundant cases illustrative of the lectures on the eye and ear. First semester, senior year. (a) One hour lecture. Professor Gifford. (b) Hospital clinic. One hour weekly. Professor Gifford. (c) Section clinics. Doctor Lemere and Doctor Patton.

6. **Ophthalmology and Otology**—4 continued. Second semester.

7. **Refraction and Retinoscopy**—Practical work at trial cases in dark room, to meet state board requirements. Second semester, senior year.
Doctor Patton

LARYNGOLOGY AND RHINOLOGY

Professor Owen, Dr. Wherry

1. **Laryngology and Rhinology**—Anatomy and physiology of the upper respiratory tract. Diseases of the nose, throat and larynx; their dependence upon and relation to various constitutional infections and dyscrasias. One hour lecture. First semester, senior year.
Professor Owen

2. **Laryngology and Rhinology**—1 continued. Second semester, senior year.

3. **Principles and Use of the Laryngoscope and Rhinoscope**—A study of normal appearances of nose, throat and larynx. Dark room with artificial light provided in the College Dispensary. One hour weekly. First semester, senior year.
Doctor Wherry

4. **Clinic**—The dispensary clinic furnishes material for study of diseases of the nose, throat and larynx. Having familiarized themselves with the normal appearance and the use of the instruments during the first semester, students are prepared for practical instruction in pathology, diagnosis, and treatment of diseased organs. Section clinics and operations in the Wise Memorial and Immanuel hospitals. One hour weekly. Second semester, senior year.
Professor Owen, Doctor Wherry

DERMATOLOGY AND GENITO-URINARY DISEASES

Professor Schalek, Doctor Klick

The course includes a weekly lecture and conference throughout the year in which cases are demonstrated or reported to the class. A weekly quiz in addition. At the College Dispensary students become familiar with the more common cutaneous diseases. The latest advances in syphilology and the use and indications of radio-therapy are presented. A weekly clinic for one semester at the County Hospital affords abundant dermatological material. From time to time the students are taken to other hospitals to see patients at the bedside. A fine collection of plates and photographs illustrating various diseases of the skin are available for demonstrations.

1. **Dermatology**—Lecture one hour weekly. First and second semester, senior year.
Professor Schalek

2. **Dermatology and Genito-Urinary Diseases**—Clinic at the County Hospital one hour weekly. Demonstration of patients. First and second semester, senior year. Professor Schalek

3. **Dermatology**—Quizzes with demonstrations of plates and patients. One hour weekly, first and second semester, senior year. Doctor Klick

4. **Hospital Clinics**—By appointment at the Methodist, Immanuel and Clarkson hospitals.

PEDIATRICS

Professor McClanahan, Doctor Christie

1. **Pediatrics**—Gastro-intestinal diseases, contagious diseases, diseases of nutrition, and important part played by errors of diet in their production. Milk modification in all its methods, including the working out of percentages. The history and technique of intubation. Clinics at College Dispensary where many cases of ordinary affections of infancy and childhood appear, furnish practical applications. One hour lecture. One hour clinic. First semester, senior year.

Professor McClanahan, Doctor Christie

2. **Pediatrics**—1 continued. Second semester.

3. **Care of Children**—Instruction in the care, hygiene and feeding of infants, cranial measurements, and physical development. One hour lecture and quiz. First semester, junior year. Doctor Christie

5. **Section Clinics in Pediatrics**—Clinics at the Child-Saving Institute and Methodist Hospital where it is frequently possible to demonstrate practically the contagions, measles, scarlet fever, and whooping cough, as they occur in epidemic form. First semester, senior year.

Professor McClanahan, Doctor Christie

6. **Section Clinics in Pediatrics**—4 continued. Second semester.

NERVOUS AND MENTAL DISEASES

Professor Aikin, Professor Moore, Doctor Mogridge

1. **Lectures on Diseases of the Nervous System**—Lectures on the causes of nervous diseases, and the general symptoms. Diagnosis and methods of examination. Diseases of the peripheral nerves. Motor neuroses of the cranial nerves. Motor neuroses of spinal nerves. Sensory neuroses of cerebro-spinal nerves. Diseases of the spinal cord. Degenerative diseases. Muscular atrophies and dystrophies. Diseases of the brain. Function neuroses. Insomnia and neurological therapeutics. These lectures will be illustrated by clinical cases at the College and at the Methodist Hospital, Immanuel and Douglas County hospitals. At the College and Douglas County Hospital students are assigned cases for examination, diagnosis and treatment and are required to report their cases before the entire class. One hour lecture. First semester, senior year. Professor Aikin

2. **Lectures on Diseases of the Mind**—Definitions, classification, general etiology, general pathology. General psychology. General symptoms and symptom groups. Examination and diagnosis. Functional psychoses, organic psychoses. Clinical work of Course 1 continued. One hour lecture. Second semester, senior year. Professor Moore, Professor Aikin

6. **Lectures on Arrested Development**—This course considers the cause, manifestations and diagnosis of arrested development. Six lectures, one hour each, and one day spent at the Glenwood, Iowa, Institute for the Feeble Minded. Second semester, senior year. Doctor Mogridge

MEDICAL JURISPRUDENCE

Mr. Page

1. **Medical Jurisprudence**—Physicians' contracts, general medico-legal relations. Expert testimony. Malpractice. Life insurance examinations. Injuries and deaths. Poison, identity, and survivorship. Sexual relations. Quarantine sanitation. Medical legislation. Twelve lectures. Second semester, senior year. Mr. Page

COLLEGE OF MEDICINE TIME SCHEDULE

JUNIOR YEAR

(Clinics in *Italics*)

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8		Patton-Lemere Ophthalmology— Otolaryngology (a)	Jennie Edmundson Hospital	Goetz Med. Recitation	Goetz Medical Clinic Wise Hospital 8:30-9:30	Immanuel Hos- pital
9	Pathology	Bliss (a) Principles of Med. Hollister (b) Minor Surgery County Hospital	Treynor Medical Clinic	Manning Therapeutics		Davis Truelsen Christie County Hospital 9-12
10	Jefferson Therapeutics	Truelsen Physical Diagnosis (a) College (b) Co Hospital	Macrae Surgery	Hollister Surg. Recitation	Edmiston (a) Surgical Dressings and Bandaging	
11	Pollard Obstetrics			Pollard Obstetrics	Pollard Obstetrics	
1	Dispensary Surgery	Dispensary Pediatrics	Dispensary and Drug Room Work	Dispensary and Drug Room Work	Dispensary Medicine	County Hospital
2	Stokes (a) Surg. Anatomy Towne (b) Sanitation— State Medicine	Davis Principles of Surgery	Peterson Med. Recitation	Davis Principles of Surgery	Peterson Med. Recitation	Milroy (a) Ludington (b) Aikin (b) 8:30-12
3	Hull Surg. Recitation	Stokes (a) Surg. Anatomy Towne (b) Sanitation— State Medicine	Hull Surg. Recitation	Christie Pediatrics Recitation	Stokes (b) Experimental Surgery (elective)	
4	Goetz Med. Recitation	Hollister Surg. Recitation				

(a) First Semester. (b) Second Semester.

SENIOR YEAR

(Clinics in *Italics*)

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8	Morison Surgery		Jonas <i>Surgery</i> <i>Methodist Hospital</i>	Crummer <i>Medicine</i> <i>Clarkson Hospital</i>	Schalek Dermatology (a) College (b) <i>Co. Hospital</i>	
9	Owen Laryngology and Rhino-logy	Wherry Laryngology and Rhino-logy		Findley <i>Gynecology</i> <i>Clarkson Hospital</i>	Milroy <i>Med. Conference</i>	
10	Findley Gynecology	Kennedy Surgery	Bridges <i>Medicine</i> <i>Methodist Hospital</i>		Stokes G. U. and Rectal Surgery (a) College (b) <i>Co. Hospital</i>	Immanuel Hos- pital Davis Truelsen Christie 9-12
11	Jonas <i>Surg. Conference</i>	Jonas Practice of Sur- gery		McClanahan Pediatrics		
1	<i>Dispensary</i> <i>Surgery</i>	<i>Dispensary</i> <i>Pediatrics</i>	Aikin <i>Nervous and Men- tal Diseases</i> <i>Methodist Hospital</i> 1-2	Klick Dermatology Recitation	<i>Dispensary</i> <i>Medicine</i>	<i>County Hospital</i> Milroy (a) Ludington (b) Aikin (b) 8:30-12
2.	Somers Obstetrics	Crummer Therapeutics		Aikin, Moore Mogridge Nervous and Men- tal Diseases	Somers Obstetrics	
3	Ludington Medicine	Banister Tropical Diseases	Gifford <i>Ophthalmology</i> <i>and Otolology</i> <i>Methodist Hospital</i> 2:30-4	Findley Gynecology	Cloyd (a) Life Insurance Hunt (b) Oral Surgery	
4	Ramsey (a) Fractures and Dislocations Page (b) Medical Jurispru- dence	Bridges <i>Med. Conference</i>		Morison Operative Surgery		Owen <i>Clinics</i> <i>by Appointment</i> Somers <i>Clinics</i> <i>by Appointment</i>

(a) First Semester, (b) Second Semester.

The School of Pharmacy

CONTENTS

	PAGE
Officers of Administration and Instruction.....	354
Organization	355
Courses and Degrees.....	355
Requirements for Admission.....	356
Requirements for Graduation.....	359
Equipment.....	359
The Pharmaceutical Society.....	359
General University Privileges	360
Fees and Expenses.....	360
Groups of Studies.....	361
Courses of Instruction.....	363

OFFICERS OF ADMINISTRATION AND INSTRUCTION

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

JAMES STUART DALES, M. Ph., Secretary of the Board of Regents and Treasurer of the University.

PHILIP JOHN HARRISON, A. B., Registrar and University Publisher.

ROBERT HENRY WOLCOTT, A. M., M. D., Dean of the College of Medicine. Administration Hall 104.

RUFUS ASHLEY LYMAN, A. M., M. D., Director of the School of Pharmacy and Professor of Pharmacology. Nebraska Hall 7.

CHARLES EDWIN BESSEY, Ph. D., LL. D., Head Professor of Botany and Head Dean of the University. Nebraska Hall 104.

WILLIAM GRANGER HASTINGS, A. B., Lecturer in Pharmaceutical Jurisprudence and Dean of the College of Law. University Hall 310.

HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology. Nebraska Hall 302.

*BENTON DALES, Ph. D., Professor of Analytical Chemistry. Chemical Laboratory.

AUGUST ERNEST GUENTHER, Ph. D., Professor of Physiology. Nebraska Hall 5.

MARY LOUISE FOSSLER, A. M., Adjunct Professor of Chemistry. Chemical Laboratory.

GEORGE BORROWMAN, A. M., Adjunct Professor of Chemistry. Chemical Laboratory.

FRANCIS JOSEPH PERUSSE, Ph. C., Instructor in Pharmacy, Pharmacognosy and Dispensing.

NIELS PETER HANSEN, R. P., Lecturer in Pharmacy.

CLARENCE JACKSON FRANKFORTER, A. M., Instructor in Chemistry and Custodian of Supplies. Chemical Laboratory.

LEVA BELLE WALKER, A. M., Instructor in Plant Pathology. Nebraska Hall 105.

MARY CATHERINE GRAHAM, A. B., Assistant Instructor in Chemistry. Chemical Laboratory.

ELSIE DAY, A. B., Ph. G., Assistant in Pharmacology. Nebraska Hall 7.

*In charge of the Department of Chemistry.

ORGANIZATION

The recent awakening in both the medical and the pharmaceutical professions as to the manufacture, dispensing and sale of drugs, poisons, and synthetics, together with the passage of the Food and Drugs Act, has placed upon pharmacy and pharmaceutical chemistry, and allied subjects, an importance never before enjoyed. The demand for skilled pharmacists was never so great as at the present time. The training as well as the general and technical knowledge demanded of applicants for positions by pharmacists, manufacturers, and the government is rapidly increasing. Thus while positions and opportunities in pharmaceutical work are on the increase, thorough and scientific training in the fundamental subjects has become imperative.

In view of these facts the University has organized the School of Pharmacy, the object being to give a broad technical training to men and women in order to prepare them for responsible positions as prescriptionists, pharmaceutical manufacturers, food and drug inspectors, and analysts, and to cooperate with the physicians and pharmacists of the state in improving and maintaining the standard of the professions as well as the interests of the people whom they serve.

GROUPS AND DEGREES

Three groups of studies are offered, as follows:

1. **A Two-year Group**, leading to the degree of Graduate in Pharmacy (Ph. G.), which prepares directly for drug store and dispensing practice and provides the ground work in analytical chemistry necessary for the drug business and the various phases of pharmaceutical manufacturing.

2. **A Three-year Group**, leading to the degree of Pharmaceutical Chemist (Ph. C.), giving the student a broader foundation and preparing him for a wider field of action. Its graduates are prepared to do analytical work for physicians or the public, to enter either the analytical or biological laboratories of the large manufacturing concerns, and to fill the government positions made necessary by the passage of the Food and Drugs Act.

3. **A Four-year Group**, academic and professional, leading to the bachelor's degree (B. Sc. in Pharmacy). This course includes all the technical work of the course of two years with the privilege of election from the three-year course. Students completing this course are prepared to do graduate work, and if they so desire, may seek the degrees of the Graduate College.

REQUIREMENTS FOR ADMISSION*

Applicants for admission present themselves to the Registrar, who furnishes them with application blanks and directions for proceeding with their examinations, if any, with registration and fee payments. Students may enter at the beginning of either semester, but for many reasons the first semester is preferable. Women are admitted on the same terms as men.

Entrance from Accredited Schools. An applicant presenting a certificate from an accredited school, academy or high school, is admitted without examination to any classes for which he is fully prepared. Any candidate for admission bringing credentials from a high school, college, or university not included in the list of schools accredited to this University must, upon making application, present his credentials to the Registrar and be prepared to take such examinations as are prescribed. A student desiring to ascertain whether or not he can be admitted to the first year without examination should apply to the Registrar for blank credential slips. When these are properly filled out and returned, he will be informed at once whether his credentials are or are not acceptable.

Admission to Two-year and Three-year Groups. For admission to the two-year and the three-year courses, the applicant must present the equivalent of a two-year (16-point) high school course. The following subjects approved by the State Commission on Course of Study for High Schools are recommended for this two-year high school course. The figures here given denote the number of recitations a week.

GRADE NINE

Algebra	5	Algebra	5
English and Bookkeeping.....	5	English	5
Phys. Geography or Agriculture. 5		Agriculture or Civics.....	5
Latin	5	Latin	5

GRADE TEN

Plane Geometry	5	Plane Geometry	5
History of Greece.....	5	History of Rome.....	5
Botany, 2; English 3.....	5	Botany, 3; English, 2.....	5
Caesar and Latin Composition..	5	Caesar and Latin Composition..	5

Students slightly deficient in entrance requirements are permitted to make up these deficiencies during the first year of residence. Applicants who have had a four-year high school training are especially advised to register for the three-year course. Notice is given that the entrance requirements for both the two-year and three-year courses will be advanced in the near future.

* See page 29 for table of simplified entrance requirements effective September 1, 1911.

Admission to Four-year Group. The requirements for admission to the four-year course are the same as those for admission to the six-year course in the College of Medicine, and are as follows: The candidate must present entrance "credits" equal to 30 "points," that is, a total of 150 recitation or "credit" hours. Conditional admission is permitted on a minimum of 24 "points," that is, 120 hours. A "credit point" means the work of five recitations a week, of not less than forty minutes each, for at least eighteen weeks. The requirements in detail are given below. The time element indicated with each subject is essential:

REQUIRED SUBJECTS—SEVENTEEN POINTS.

Algebra (through logarithms), 1½ years, 5 hours a week.....	3
Rhetoric and Literature, 2 years, 5 hours a week.....	4
Geometry (plane), 1 year, 5 hours a week.....	2
History (European), 1 year, 5 hours a week.....	2
Language (Latin, 2 years at least), 3 years, 5 hours a week.....	6

OPTIONAL SUBJECTS—THIRTEEN POINTS

In addition to these required subjects, for which no substitutes are accepted, applicants must present evidence of preparation in 13 points to be chosen from the following optional list:

Agriculture	1
*Rhetoric and Literature, 1 year, 5 hours a week.....	2
History (American or European), 1 or 2 years, 5 hours a week.....	1 to 4
Language: French, 1 to 3 years, 5 hours a week.....	2 to 6
German, 1 to 3 years, 5 hours a week.....	2 to 6
Greek, 1 to 3 years, 5 hours a week.....	2 to 6
Latin, 1 to 2 years, 5 hours a week.....	2 to 4
Natural Science (Botany, Zoology), 1 year, 5 hours a week.....	1 or 2
Normal Training	1
Physical Science: Chemistry, 1 year, 5 hours a week.....	1 or 2
Physics, 1 year, 5 hours a week.....	1 or 2
†Senior Reviews	1
Solid Geometry, ½ year, 5 hours a week.....	1
Trigonometry (plane), ½ year, 5 hours a week.....	1
Astronomy, 1.....	} Not more than 4 accepted..... 4
Bookkeeping, 1.....	
Civics, 1.....	
Geology, 1.....	
Physical Geography, 1.....	
Physiology and Hygiene, 1.....	
Political Economy, 1.....	

* Four optional points are allowed only to schools named by the Accredited Schools Committee.

† Credit granted only to Normal Training High Schools.

Admission of Special Students. Students, not candidates for degrees, may register in the School of Pharmacy without conforming to the entrance requirements. The admission of special students is permitted after consultation with and upon the recommendation of the Director. Such students must pay the matriculation fee, the laboratory fees of the courses for which they register, and a pro-rata tuition fee; provided, however, that the tuition charge shall in no case be less than five (\$5) dollars a semester.

Registration. Students are required to register promptly at the beginning of each semester. To promote prompt registration a fee of \$3 is charged any student who, unless excused by the Chancellor, fails to register within the days set aside for this purpose. A like fee of \$3 is charged for re-registration if made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration. No regular student is registered for less than twelve (12) hours nor more than eighteen (18) hours a semester. Students cannot attend classes for which they are not registered, and credit is not granted for studies pursued without registration. No student is allowed to change from one college to another without permission to the Registrar signed by the dean of each college concerned. A student so changing college must also pay a new matriculation fee of \$5. No student may change his group or drop any study for which he has been regularly registered without written permission from the Director of the school. Any change in a student's residence must be immediately reported to the Registrar.

Absence or Withdrawal. A leave of absence for a short time may be granted a student by the Director of the school. This leave is merely a justification for absence and not an excuse from any work. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Registrar grants him permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

Advanced standing may be granted as follows to applicants presenting proper credentials: (1) Applicants for credit in any particular subject are referred to the head of the department in question for examination. In case subject credit is granted the student is free to use the time thus gained in such extra work as he may elect. (2) Students of pharmaceutical colleges or schools of equal standing are, on presenting certificate of honorable dismissal, admitted to the class to which credentials issued by such colleges or schools entitle them. Applicants for advanced standing must offer admission credits equal to those required by this school.

REQUIREMENTS FOR GRADUATION

The requirements for the various degrees given by this school are as follows:

1. The moral character of the candidate must be unquestioned.
2. He must have complied with all the requirements of admission and have paid all his fees.
3. He must have completed all required courses and have passed a satisfactory examination on all required subjects in the curriculum.
4. His last year's work must be taken in this institution.
5. Experience in the business of pharmacy is not made a requirement for a degree.

EQUIPMENT

The laboratories of the University are well equipped with all the essential apparatus for giving the most thorough instruction. A more or less detailed description of the equipment is given under the description of courses by the various departments.

Libraries. The following libraries, aggregating 199,300 volumes, are accessible to students in Lincoln: The University Library of 90,000 volumes is strong in those scientific lines wherein lies the work of the student of pharmacy. It includes special departmental libraries in botany, chemistry, hygiene, physiology, zoology, bacteriology, pathology, and medicine. It also includes the library of the Nebraska State Medical Society of 1,300 volumes. The Lincoln City Library, of 27,000 volumes, also has an alcove devoted exclusively to medical and pharmaceutical literature. The State Library of 65,000 volumes at the Capitol includes valuable pharmaceutical works in certain lines. The Nebraska State Historical Society Library of 15,000 volumes contains useful series of public documents such as reports of state boards of health and of state hospitals, pharmaceutical associations, and other institutions.

THE PHARMACEUTICAL SOCIETY

The Pharmaceutical Society is an undergraduate organization, the object of which is to bring the students into contact with the leading professional men of the state and elsewhere, and to promote the athletic and social life of the students. Membership in it is open to all students in the School of Pharmacy.

GENERAL UNIVERSITY PRIVILEGES

Students in the School of Pharmacy have the privileges of other students in the University. The gymnasium is in charge of experts in physical training who advise each student as to the character and amount of physical exercise adapted to his case. For engaging in athletics there is abundant opportunity. Military drill is also offered.

The Summer Session of the University affords opportunities to make up deficiencies in entrance requirements and in certain lines of laboratory work.

FEES AND EXPENSES

Fees. All fees and charges are payable in advance to the Secretary of the University. No part of the fees can be refunded to a student who leaves after the fourth week of a semester or session. Applications for refunds must be made at the time of withdrawal from a class or from the University. The matriculation fee, being a statutory one, cannot be refunded except where collected through error. The schedule of fees in the School of Pharmacy is as follows:

Matriculation fee	\$5 00
Diploma fee	5 00

No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.

FIRST-YEAR AND SECOND-YEAR FEES

Tuition, first semester.....	\$20 00
Tuition, second semester.....	15 00
For special examination, one subject.....	1 00

No tuition will be charged at present for the third year of the three-year course, the student paying only the laboratory fees for that year. Students taking the four-year course will pay tuition for only the third and fourth years, when they take the technical work.

	LABORATORY FEES
Bacteriology	
Course 1	\$8 00
Courses 3, 4.....	4 00
Botany	
Courses 1, 2.....	2 00
Chemistry	
Courses D, 1 and 2 combined, 3, 14.....	10 00
Courses A, B, 1, 2, 3, 21, 22, 34.....	5 00
Courses 7, 8, 39, 40 (per credit hour).....	1 00
Courses 15, 16, 41.....	2 00
Pharmacy	
Courses 1, 2, 3, 4.....	7 00
Courses 5, 11, 12, 13, 14.....	5 00
Course 8	6 00
Course 9	8 00
Physiology	
Courses 1, 2.....	5 00

Expenses. In Lincoln, board and lodging may be secured in private families for from \$3 to \$5 a week. There are also numerous student clubs. The Young Men's Christian Association and the Young Women's Christian Association of the University keep a list of boarding places. The Young Men's Christian Association of the University also maintains under the direction of the Registrar an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

GROUPS OF STUDIES

Two-Year Group, leading to the degree of Graduate in Pharmacy (Ph. G.).

	FIRST YEAR	1st Semester	2d Semester
		Hours	Hours
Botany 1, 2.....		3	3
Chemistry D		4	
Chemistry 1, 2 (combined course).....			4
Pharmacy 1, 2.....		5	5
Physiology 1, 2.....		2	2
		<hr/>	<hr/>
		14	14

SECOND YEAR

Chemistry 3, 7.....	4	5
Pharmacy 3, 4.....	5	5
Pharmacognosy 5	5	
Pharmacology and Therapeutics 9.....	4	
Prescriptions and Dispensing 8.....		4
Pharmaceutical Ethics 6	}	
Pharmaceutical Jurisprudence 1		2
Pharmacy 10		
		<hr/>
		18
		<hr/>
		16

Three-Year Group, leading to the degree of Pharmaceutical Chemist (Ph. C.). The studies for the first two years are the same as in the preceding course. The work of the third year is elective. The student may select work to the extent of 18 hours each semester from the advanced courses enumerated under the courses of instruction. This selection, however, must be made after consultation with the Director and the members of the faculty concerned.

Four-Year Group, leading to the degree of Bachelor of Science in Pharmacy (B. Sc. in Pharmacy). Details in regard to the non-technical courses which appear in this schedule, such as rhetoric, should be secured from the announcement of the undergraduate college.

FIRST YEAR	1st Semester	2d Semester
	Hours	Hours
Chemistry 1, 2.....	2	2
Botany 1, 2.....	3	3
Modern Language (German).....	5	5
Rhetoric 1, 2.....	2	2
Zoology 1, 2.....	3	3
*Military Drill (men).....	1	1
	<hr/> 16	<hr/> 16
SECOND YEAR		
Chemistry 3	4	
Chemistry 7		5
Modern Language	5	5
Bacteriology 1	4	
Physiology 1, 2.....	2	2
Hygiene 1	2	
Military Drill (men).....	1	1
	<hr/> 18	<hr/> 13
THIRD YEAR		
Pharmacy 1, 2.....	5	5
Chemistry 39, 40.....	5	5
Chemistry 34		4
Pharmacy 5	5	
Pharmacy 9	4	
Pharmacy 6		
Pharmaceutical Jurisprudence 1 }		2
Pharmacy 10		
	<hr/> 19	<hr/> 16
FOURTH YEAR		
Pharmacy 3, 4.....	5	5
Pharmacy 11, 12.....	3	3
Chemistry 41	2	
Chemistry 14		5
Pharmacy 8		4
Pharmacy 13	6	
	<hr/> 16	<hr/> 17

* Four semesters of physical training, each giving one hour credit, are required of women.

COURSES OF INSTRUCTION

BACTERIOLOGY AND PATHOLOGY

Professor Waite

1. **General Bacteriology**—The form, structure, manner of multiplication, reproduction, requirements of growth and chemical products of bacteria. The relation of bacteria to fermentation and putrefaction and the means by which complex organic compounds are reduced to simple inorganic forms are fully explained. Disinfection, sterilization, and the theories of immunity. Several non-pathogenic and pathogenic forms are studied. Four hours attendance. Eight hours laboratory. Four hours credit. First semester.

Professor Waite

3. **Dairy Bacteriology**—The source of bacteria in milk. Lactic and butyric acid fermentations, peptonizing, rennet-forming, and butyric acid-producing bacteria are discussed and some of the typical organisms isolated. Abnormal fermentations giving rise to slimy, bitter, red, blue, yellow and green milk are elucidated. The relation of milk to the spread of tuberculosis, typhoid fever and other diseases. Sterilization and pasteurization. Bacteria in butter-making. Two hours attendance. Four hours laboratory. Two hours credit. First semester.

Professor Waite

4. **Agricultural Bacteriology**—The nitrogen problem. The role of bacteria in ammoniacal fermentation, nitrification, and denitrification. The use of bacteria as a means of reclaiming nitrogen lost from the soil. The practical employment of nitrifying bacteria and the employment of pure cultures in growing leguminous plants. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

Professor Waite

BOTANY

Head Professor Bessey, Miss Walker

1. **General Botany**—Introduction to the structure of plants (cells, tissues, tissue systems, including blue-green and green algae and general morphology and physiology of representative species. Three hours lecture and additional readings. Four hours laboratory. Three hours credit. First semester.

Head Professor Bessey, Miss Walker

2. **General Botany**—The general morphology and physiology of representative species of brown algae to flowering plants. Three hours lecture and additional readings. Four hours laboratory. Three hours credit. Second semester.

Head Professor Bessey, Miss Walker

CHEMISTRY

Professor Dales, Adjunct Professor Fossler, Adjunct Professor Borrowman,
Mr. Barnebey, Miss Graham

REQUIRED

*** D. The Non-Metallic Elements**—Including the general principles of chemistry. The course is designed especially for those whose program of studies does not permit them to carry A and B before registering for 1. Such students will attend the same lectures as are given in A and in addition one hour quiz at a time to be arranged. Three hours lecture. One hour quiz. Eight hours laboratory. Four hours credit. First semester

Professor Dales, Mr. Barnebey, Miss Graham

*** 1 and 2 combined. Qualitative Analysis**—A study of qualitative reactions and separations, including the identification of common drugs and chemicals and the testing for impurities. Four hours attendance. Eight hours laboratory. Second semester.

Professor Dales, Mr. Barnebey, Miss Graham

3. Organic Chemistry—The aliphatic and benzene series: a discussion of the most important organic substances, supplemented by the preparation in the laboratory of typical compounds. Prerequisite: Courses 1 and 2. Five hours lecture, two hours quiz. Eight hours laboratory. Five hours credit. First semester.

Adjunct Professor Fossler

7. Quantitative Analysis—Gravimetric determinations of the more important bases and acids, including the assay of drugs. Prerequisite: Courses 1, 2 and 3. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. Second semester.

Mr. Barnebey

OPTIONAL

A. General Chemistry—This course is designed to give a general view of chemistry. The lectures are highly illustrated with experiments and the fundamental principles of the science are emphasized. The non-metallic elements are given special consideration. Three hours lecture. Four hours laboratory. Three hours credit. First semester.

Professor Dales, Mr. Barnebey, Miss Graham

B. General Chemistry—Continuation of A. Especial attention is given to the metallic elements, the more common organic compounds, and the applications of chemistry to every-day life. Prerequisite A. Three hours lecture. Four hours laboratory. Three hours credit. Second semester.

Professor Dales, Mr. Barnebey, Miss Graham

8. Quantitative Analysis—7 continued. Volumetric analysis, electrolytic analysis, the sanitary analysis of water and the analysis of gases. One hour attendance. Five to fourteen hours laboratory. Two to five hours credit. Second semester.

Mr. Barnebey

* Students desiring to study chemistry who enter the University with two points credit should register for Chemistry 1. Students with less than two points are expected, unless advised otherwise, to register for D.

21. Assaying—Qualitative examination of ores. Blow-pipe and chemical tests for the common ores and minerals. Principles of fire assays for gold, silver, and lead in ores and metallurgical products. Prerequisite: Courses 1 and 2. Two hours lecture. Four hours laboratory. Two hours credit. First semester. Adjunct Professor Borrowman

22. Assaying—21 continued. Volumetric and gravimetric methods for the determination of silver, copper, zinc, lead, tin, and iron. Two hours lecture. Four hours laboratory. Two hours credit. Second semester. Adjunct Professor Borrowman

39. Advanced Analytical Chemistry—A more extended study of chemical analysis than that offered in courses 7 and 8. Laboratory practice leading to analytical research. Six to fifteen hours laboratory. Two to five hours credit. First semester. Professor Dales

40. Advanced Analytical Chemistry—39 continued. Second semester.

41. Toxicology—Study of the physiological properties and methods for detecting poisons. Prerequisite: Courses 1, 2 and 3. Two hours lecture, one hour quiz. Three hours laboratory. Two hours credit. First semester. Adjunct Professor Fossler

15. Organic Chemistry—For students who desire a more extended knowledge of organic chemistry than that offered in course 3, or who wish to specialize. Prerequisite: Courses 1, 2 and 3. Three hours attendance. Six hours laboratory. Three hours credit. First semester. Adjunct Professor Fossler

16. Special Chapters in Organic Chemistry—15 continued. Second semester.

34. Physiological Chemistry—The organic compounds and chemical processes of physiological importance. Useful in subsequent study of practical medicine. Prerequisite: Courses 1, 2 and 3. Four hours lecture. Eight hours laboratory. Four hours credit. Second semester. Adjunct Professor Fossler

14. Food Chemistry—Chemical processes of nutrition; practical laboratory course in food analysis. Chemical nature of preservatives, disinfectants, cleaning agents, etc., with laboratory practice in adulterants, impurities and determining values chemically. Prerequisite: Courses 1, 2 and 3. Five hours lecture. Twelve hours laboratory. Five hours credit. Second semester. Adjunct Professor Fossler

PHARMACEUTICAL JURISPRUDENCE

Professor Hastings

1. Pharmaceutical Jurisprudence—A series of six lectures concerning the legal status of the pharmacist. Second semester.

PHARMACY

Professor Lyman, Mr. Perusse, Mr. Hansen, Miss Day

1. **Pharmacy**—An introductory course beginning with the history of pharmacy and followed by a study of weights, measures, specific gravity, vaporization, dissipation, distillation, sublimation, comminution, separation of fluids from solids, filtration, clarification and decoloration, precipitation, crystallization, separation of immiscible liquids, granulation, and exsiccation, dialysis, extraction, expression, percolation, etc., and all elementary processes used in the preparation of medicines. Five hours attendance. Eight hours laboratory. Five hours credit. First semester.

Mr. Perusse, Miss Day

2. **Galenical Preparations**—A study of the pharmacopoeial preparations of waters, syrups, emulsions, glycerites, spirits, elixirs, ethereal solutions, liniments, oleates, infusions, decoctions, tinctures, fluid extracts, solid extracts, etc. Five hours attendance. Eight hours laboratory. Five hours credit. Second semester.

Mr. Perusse, Miss Day

3. **Official Inorganic Pharmacy**—A study of the inorganic official preparations, the inorganic acids, halogen compounds, alkalies, potassium, sodium, and lithium salts, ammonium, calcium, zinc, iron, lead, copper, silver, mercury, etc. Five hours attendance. Eight hours laboratory. Five hours credit. First semester.

Mr. Perusse

4. **Official Organic Pharmacy**—A study of the official organic preparations, including oils, resins, fats, soaps, glucosides, alkaloids, and products of animal tissues. Five hours attendance. Eight hours laboratory. Five hours credit. Second semester.

Mr. Perusse

5. **Pharmacognosy**—A study of the history, classification, constitution and the means of identification of the drug-producing plants. Five hours attendance. Eight hours laboratory. Five hours credit. First semester.

Miss Day

6. **Pharmaceutical Ethics**—A series of twelve lectures in which will be considered the ethics of pharmacy, the relation of the pharmaceutical profession to that of medicine on the one hand, and to the public on the other, the position the pharmacist should take in dealing with proprietary and patent medicine concerns and all other problems with which he must be concerned. Second semester.

Professor Lyman

8. **Prescriptions and Dispensing**—A detailed study of the prescription and the art of dispensing and compounding. Four hours attendance. Three hours laboratory. Four hours credit. Second semester.

Professor Lyman, Mr. Perusse

9. **Pharmacology and Therapeutics**—A study of the dosage and physiological action of official and non-official drugs and poisons. An experimental study of a typical member of each group of drugs will be made. Special attention is given to the anesthetics, narcotics, glucosides, alkaloids, and the physiological assay of drugs. Four hours attendance. Four hours laboratory. Four hours credit. First semester.

Professor Lyman, Miss Day

10. **Business Methods**—A series of twelve lectures and demonstrations on the commercial aspect of pharmacy. Second semester. Mr. Hansen

11. **Manufacturing Pharmacy**—Advanced work in pharmaceutical manufacturing. Three hours attendance. Six hours laboratory. Three hours credit. Mr. Perusse

12. **Manufacturing Pharmacy**—11 continued. Three hours attendance. Six hours laboratory. Three hours credit. Second semester.

Mr. Perusse

13. **Research** in pharmaceutical, pharmacological, or physiological assaying. Two to five hours attendance. Six to ten hours laboratory. Two to five hours credit. First semester. Professor Lyman, Mr. Perusse.

14. **Research**—13 continued. Two to five hours attendance. Six to ten hours laboratory. Two to five hours credit. Second semester.

Professor Lyman, Mr. Perusse

PHYSIOLOGY

Professor Guenther

1. **General Animal Physiology**—A consideration of the facts and theories underlying the functions of muscle and nerve, of secretion, digestion, absorption, blood and lymph, circulation, respiration, animal heat, metabolism, the central nervous system, special senses and reproduction. A combined lecture, demonstration and laboratory course. Two hours lecture. Three hours laboratory. Two hours credit. First semester.

Professor Guenther

2. **General Animal Physiology**—1 continued. Second semester.

Professor Guenther

The School of Fine Arts

CONTENTS

	PAGE
Officers of Administration and Instruction.....	370
General Information	371
Objects of the School of Fine Arts.....	371
Location and Equipment	371
Courses of Instruction	371
Technique of the Fine Arts	371
History and Criticism of the Fine Arts.....	373
Aesthetics	373

OFFICERS OF ADMINISTRATION AND INSTRUCTION

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

JAMES STUART DALES, M. Ph., Secretary of the University.

PHILIP JOHN HARRISON, A. B., Registrar of the University.

SARAH SHEWELL HAYDEN, Director of the School of Fine Arts.

HENRIETTA MCELROY BROCK, Instructor in China Painting.

WILLIAM FRANCIS DANN, A. M., Professor of the History and Criticism of the Fine Arts.

HARTLEY BURR ALEXANDER, Ph. D., Professor of Philosophy, instructing in Aesthetics.

GENERAL INFORMATION

Objects. The School of Fine Arts is organized in the belief that education in Art is as needful for a liberal culture as it is for the training of those who expect to devote themselves to art professionally. Work in the School is, accordingly, planned along two lines:

(1) It gives practical, technical training in drawing, painting, clay modeling, ceramics, etc.

(2) It provides instruction in art criticism,—the applied criticism of the studio, as well as historical, comparative, and theoretical studies. Work in this field is essential to students expecting to make art a profession, whether as teachers or producers, and it is valuable also to others who desire a broad and liberal culture.

Location and Equipment. The School of Fine Arts occupies rooms on the third floor of Library Hall. The class rooms are well lighted, attractive, and completely equipped with easels, frames and casts. The Fine Arts Gallery, a fire-proof, well lighted room, fitted with two hundred electric lights, is sixty by seventy feet in dimensions. Here are held minor exhibitions, and the annual mid-winter exhibitions by the Nebraska Art Association, of paintings by leading American and foreign artists. The gallery contains the paintings purchased at the annual exhibitions by the Nebraska Art Association, among which are Andre Dauchez's *The Reefs*, Potthast's *The Waning Day*, Harrison's *Harvard Bridge*, Lucy Conant's *The Marshes*, Symon's *Autumn*, and Elizabeth Nourse's *Petite Paysanne de Bretagne*, Barnard's *The Landmark*, Eaton's *Canal at Bruges*. It is equipped also with a collection of casts which has been increased recently by an important purchase conjointly with the Nebraska Art Association of \$700 worth of fine reproductions from the antique.

COURSES OF INSTRUCTION

Courses are free to all students of the colleges of the University, except where fees are named in connection with certain courses. The fees include the use of the studios.

TECHNIQUE OF THE FINE ARTS

Director Hayden, Mrs. Brock

1. **Elementary Drawing**—Drawing from geometric solids, still-life, and antique fragments in outline and in light and shade. Study of values in

charcoal and pencil. Designed especially for students in the Mechanic Arts and the Natural Sciences, and for students in the Teachers College. Two hours per week with instructor; assigned exercises. One hour credit. First semester. Miss Hayden

2. **Elementary Drawing**—Course 1 continued. Second semester.

3. **Lecture Course**—Lectures on the technique and terminology of modern painting, in connection with and illustrated by the Annual Exhibition of the Nebraska Art Association. Two lectures per week during the four weeks of the Exhibition; readings and reports. One hour credit for attendance during three Exhibitions. Miss Hayden

The following courses consist of individual instruction, with fee. College credit is given at the discretion of the instructor, not exceeding four hours for any one course. In courses 5, 6, 7, 8, 9, 10, 11, and 12, the fees are for one lesson per week, \$10; for two lessons, \$18; for three lessons, \$25.

5. **Introductory Drawing and Color Work**—Exercises in drawing with pencil and crayon and in water color, for beginners. Designed for those expecting to specialize in art work, either as teachers or producers. First semester. Miss Hayden

6. **Introductory Drawing and Color Work**—Course 5 continued. Second semester.

7. **Advanced Drawing and Color Work**—Heads and figures in charcoal from the antique for the study of construction and as a preparation for working from life. Still-life and flower painting in oil and water color. Pen and ink with reference to the processes of reproduction. First semester. Miss Hayden

8. **Advanced Drawing and Color Work**—Course 7 continued. Second semester.

9. **Life**—Drawing and painting from the costumed model. First semester. Miss Hayden

10. **Life**—Course 9 continued. Second semester.

11. **Theory and Practice of Design**—Studies in the principles of design, with practical application to stenciling, embroidery, leather, metal work, etc. Twelve weeks only. First and second semesters. Miss Hayden

12. **Practice in Decorative Art**—Practical work in basketry, crimple sheet, metal work, and decorative leather. Classes formed on demand. Miss Hayden

13. **China Painting**—Figure painting on porcelain; flower painting from nature; enamels. First and second semesters. Fees: one lesson a week, \$12; two lessons per week, \$23; three lessons per week, \$33. Mrs. Brock

14. **Evening Sketch Class**—A studio sketch class, held one evening each week. Free to students entered in any fee-bearing course in the School of Fine Arts. All others, \$3 per semester. Miss Hayden

15. **Teachers' Advanced Course**—Work suitable to the individual needs of those teaching or expecting to teach in the public schools.

Miss Hayden

HISTORY AND CRITICISM OF THE FINE ARTS

Professor Dann

The courses open to students in this department of the School of Fine Arts are listed under the sub-head of "Fine Arts" in the department of Greek Language and Literature, courses 40, 41, 42, 43, 44, 45 and 46, and are described in detail under the department heading in the general "Courses of Instruction" (pages 138-139). These courses consider, in addition to biographical and historical studies, the fundamental principles of aesthetic criticism; the form and spirit of art in relation to nature, to science, and to life; the conventions of architecture, sculpture, and painting. They consist of lectures and discussions in class, readings, and preparation of papers on assigned topics.

AESTHETICS

Professor Alexander

The courses in Aesthetics are those listed in the general "Courses of Instruction" (page 150) as Philosophy 41, 42 and 50, and must be registered for as such. These courses are designed primarily for third and fourth year students of the Colleges of the University. It is expected that Art students entering them will have had preliminary work in the technical or historical courses. All students registering for Philosophy 41 are urged to take in connection therewith the Technique of Fine Arts course 3 ("Lecture Course"). Students may register synchronously for 42 and 50.

The Affiliated School of Music

CONTENTS

	PAGE
Officers of Administration and Instruction.....	376
General Information	377
Courses	377
The Organ	377
Lectures	377
Concerts	377
University Studies	377
Graduate Courses	377
Other Advantages	378
Fees	378
Required Courses of Instruction	378

OFFICERS OF ADMINISTRATION AND INSTRUCTION

SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.

DIRECTOR—Willard Kimball.

REGISTRAR—Everett B. Carder.

SUPERINTENDENT—Willard B. Kimball.

PIANOFORTE—Robert Stevens, Sidney Silber, Mrs. Will Owen Jones, Mrs. Lura Schuler-Smith, Nell Cave, Guy Bevier Williams, Claire Canom, Marjorie Anderson, Lucy Haywood, Carrie Whitney Pettis, Lulu Lakin, Mrs. Mary Ward Walt, Louise Zumwinkel, Arvid Samuelson.

ORGAN—Willard Kimball.

VOICE—Howard Ira Kirkpatrick, Charles Francis Mills, Vera Augusta Upton, Alice Widney Conant, Lillian Dobbs Helms, Charles H. Miller.

THEORETICAL—John Rosborough, Alyse Swedburg.

VIOLIN—Carl Frederick Steckelberg, August Molzer.

VIOLONCELLO—Henry Steckelberg.

CORNET AND BRASS INSTRUMENTS—Stephen Jelinek.

FLUTE—Rex Elton Fair.

CLARINET—Elton Ewing.

THEORY AND PRACTICE OF PIANO TUNING—Augustus Judson Morley.

GENERAL INFORMATION

Courses. The School of Music offers courses in all branches of applied and theoretical music. Students may take work privately in any one or more of the courses outlined. In order to be graduated, however, a candidate must pursue three courses: (1) the complete course in the science of music, including harmony, counterpoint, orchestration, history and theory of music; (2) in applied music, either pianoforte, pipe-organ, violin, or voice; and (3) one elective course in applied music. This requirement is made in order to secure to one who seeks a diploma from the School such mastery of the principles and practice of musical art as will develop a broad and generous musical culture which shall not overestimate the value of mere virtuosity.

The Organ. This department is under the personal supervision of the director of the School. Two two-manual pedal-organs, large enough to display the principles of organ-playing, are at the service of the students. Arrangements for the use of larger organs may be made. The large organ, of three manuals and forty stops, presented to the University through the generosity of its alumni and friends, stands in Memorial Hall and may be used by advanced students.

Lectures. Among the free advantages offered by the School is a course of lectures on musical topics by instructors in the School of Music and in the University. Attendance upon this course is required from all regular students.

Concerts. During the school year a number of concerts are given. There are the choral series, the University chorus and soloists, in oratorio, artists' series, performers from abroad and from the faculty, chamber-music series, string trios, quartettes and quintettes, semi-public soirees by instructors and pupils, and weekly recitals by pupils for the acquirement of self-possession.

University Studies. For students in regular University courses the study of the piano, violin, and organ, also voice culture and the science of music, are elective during the junior and senior years. A regular student of the School may, on paying the usual fees, enter any college of the University as an unclassified student.

Graduate Courses. Courses one year in length are offered for those who have completed the regular work but who desire to pursue certain

branches further. These courses are prescribed by the heads of departments.

Other Advantages. Other privileges, which their connection with the University affords to pupils in the school, are chorus-training and lectures on history and other topics relating to music, orchestral practice, ensemble classes, and prima vista reading piano classes. Admission to the University gymnasium and art rooms and the use of the University libraries and reading rooms are also available helps to students of music.

Fees. Tuition varies with the instructors. A complete catalogue of the School of Music is sent upon application to the director.

REQUIRED COURSES OF INSTRUCTION

1. **Theory of Music**—Text-book and lectures, twice each week for one year.
2. **Sight-Singing**—Chorus training twice each week for one semester.
3. **Elementary Harmony**—Notation, terminology, formation of chords, modulation; text-book, lectures, composition and practice twice each week for one year. May be taken with course 2.
4. **Counterpoint**—Suspension, harmonizing, chorales, enharmonics, figuration, study of form, single and double counterpoint, twice each week for one year.
5. **Composition**—Canon in the octave and tenth, fugue in three, four, and five voices. Free composition.
6. **Piano, Pipe-Organ, Violin or Voice**—Twice each week throughout the course.

Roster of Students and Degrees, 1909-1910

and Index to Complete Catalog

CONTENTS

	PAGE
Degrees conferred in 1909-1910.....	380
At Summer Session Graduation, 1909.....	380
At Mid-Winter Commencement, 1910.....	380
At June Commencement, 1910.....	381-384
Certificates Granted in 1910.....	384
Students in 1909-1910	
Graduate Students	387
Alphabetical List of Students in the Undergraduate Colleges.....	395
Summary of Students in 1909-1910	
Index to Complete Catalogue	

DEGREES CONFERRED IN 1909-1910

Summer Session Graduation, 1909

THE COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

Bachelors of Arts—9

Albert Tutton Charlton
 James William Crabtree
 Celia Ellen Harris
 Walter Vern Kenner
 Rosmond May MacDonald

Edna Clara Mantor
 Harry Poston
 Edward Markwood Rutledge
 Max Arthur Wyman

Teachers' Certificates—1

Nellie Antoinette Vail

State Military Commissions—1

Walter Vern Kenner

THE INDUSTRIAL COLLEGE

Bachelors of Science—5

Oscar Nelson Brodahl
 John Chester Kettridge
 Don A. Kuebler

George Newton Lamb
 Lewis Bertie Olmstead

THE TEACHERS COLLEGE

Bachelors of Arts—4

Lawrence Anderson
 Ruby Barnebey

Frank Herman Reinsch
 Perry Martin Spease

Mid-Winter Commencement—1910

THE COLLEGE OF ARTS AND SCIENCES

Bachelor of Arts—1

Mary Elizabeth Skinner

THE TEACHERS COLLEGE

Bachelor of Arts—1

Mabel Jeanette Faus

THE COLLEGE OF ENGINEERING

Bachelors of Science—10

Kinju Akagi
 Rupert Hiram Bailey
 William Hewit Blanchard
 William F. Chaloupka
 Arthur Everette Ingersoll

Frank Warren Johnson
 Charles Edward Miller
 Martin Ernst Strieter
 Harry Lloyd Unland
 Vicente Pio Villanueva

THE COLLEGE OF LAW

Bachelors of Laws—2

Oscar Bird Clark

Archibald Manley Smith

THE GRADUATE COLLEGE

Masters of Arts—2

Henry Walter Barre, B. S. 1905 Clemson College, B. Sc. 1907 The University of Nebraska

Ellery Knapton Files, B. Sc. 1908 Nebraska Wesleyan University

June Commencement—1910

THE COLLEGE OF ARTS AND SCIENCES

Bachelors of Arts—90

John Merriam Alexander
Emma Nathalia Anderson
James Albert Ayres
Lewis Wittmann Baker
Mary Leona Baker
Harvey Leigh Ballenger
Eleanor Barbour
Clinton Mahlon Brown
Elfrida Constance Buddenberg
Roselle Otis Burris
Charlotte Matilda Bushnell
Ora Edna Bushnell
Ruby Geneva Clark
James Alexander Cline
William Earl Coleman
Myra Conner
Mary Elizabeth Cook
Odyne Omega Cornell
Albert Warren Dann
Kathleen Remine Doyle
Vernon Atwell Dunlavy
Florence Dye
Clayton Harold Eaton
Joseph Francis Ebert
Glen Gray Fordyce
Edith Alma Forrest
Irma May Franklin
Roy Fuller Greenslit
Paul Rolfe Halligan
Bertha Lillian Hallowell
Hazel Dell Hanna
Faye Marie Hartley
Mary Otis Herbert
Emma Edna Hewit
Kathleen Hockstrasser
Adaline Mildred Holland
Stanley McCook Huffman
Clara Louise Hunt
Josephine Celeste Huse
Ruth Millikan Jakway
Earle George Johnson
Howard Ransome Kennedy
Ruby Rosamond Knepper
Ernest Lewis Kretsinger
Dale Lapp

Lora Jeanette Lawrence
Effie May Longman
Josephine Fidelia Loomis
Thomas Johnson McDaniel
Mary Rose Malone
Ann Wilson Miller
Claude William Mitchell
Carl Leland Modesitt
Walter Albert Monson
Loring Edwin Morgan
Estelle Rees Morrison
Golda Bessie Nelson
Minnie May Newman
Frank E. Northrop
Erich von Nusbaum
John Edgar Okey
Arthur Lundin Palmer
Clifford Manley Penney
Harry Otis Perry
Laura Anna Pettijohn
Herbert William Potter
Alfreda Powell
Florence Edna Riddell
August Carl Schmidt
John Aaron Scotney
Elizabeth Mary Shaffer
Grace Pauline Shallenberger
Howard Martin Sheaff
Wilbur Henry Simons
Arthur Andrew Smith
Edna Bertha Steven
Robinson Meredith Switzler
Cora Lee Wallace
George McCready Wallace
Welden Harrison Warren
Agnes Wilhelmina Weckbach
Alfred Edward Westervelt
Grace Margaret Wheeler
Anna Grace White
George Washington White
Luther Emanuel Widen
Edith Wilson
James Edward Woods
Paul Emmer Yates
Gary Garfield Young

Bachelors of Science—18

Roscoe Conklin Abbott
Harry Dilman Boswell
Sherman Blaine Hibbard
Earl Henry Jorgensen
John Harry Linson

Walter Phelps Loomis
Guy Raymond McDole
Allen Grant McNeel
Samuel Arthur Mahood
Lawrence E. Newell

George Peyton Pratt
John Clarence Resler
Walter Arthur Spencer
John Torrence Tate

Jesse Day Taylor
James C. Tucker
Richard Orin Webster
John Todd Zimmer

THE TEACHERS COLLEGE

Bachelors of Arts—61

Christine Anderberg
Selma Sophia Anderson
Lucia Maria Arends
Pearle Arnot
Esther Bailey
Ruth Mary Bates
Lulu Fay Beekly
Annie Bellati
Charles Clinton Berkey
Rachel Nellie Blodgett
Charles Dudley Bohannon
Bessie May Brenizer
Mathilde Elizabeth Brugger
Ellen Elizabeth Cannell
Marie King Carriker
Alice Eliza Compton
Fannie Riggs Conkling
Myra May Cook
May Delima Dion
Katherine Follmer
Lois Beatrice Fossler
Mary Alice Frum
Aileen Gantt
Maggie May Patton Gehrke
Blanche Deborah Given
Marie von Goetz
James Edward Hardiman
Teresa Edith Hempel
Katherine Hole
Rachel Edna Holmes
Beula Luella Jennings

Jennie May Kates
Grace Jennie Kimmel
Benjamin True Kess
Venus Una Leamer
Jessie Alice Lee
Katherine Little
Bertha Musson Luckey
George Paul Luckey
Helen Anna Lykke
Mabelle Rae McVeigh
Coralie Henrietta Meyer
Ada Mabel Morgan
Ida May Myatt
Bertha Neale
Mabel Esther Nelson
Emma Caroline Osborn
Ada Emily Ostrander
Mary Eudora Persinger
Elsie Katherine Rokahr
Jessie Frances Safford
Blanche Kathryn Sperling
Sarah Louise Stegner
Nina Adelaide Tewksbury
Bashie Beth Tully
Kathryn Elizabeth Wagner
Winifred Waters
Dorothea Weaver
Charlotte Wilke
Ina Jeanette Williams
Beatrice Susan Wilson

Bachelors of Science—5

Ellen Victoria Anderson
Edna Elizabeth Bryan
Mabel Violet VanCamp

Bertha Watson
Lenora Olive Wolfanger

THE COLLEGE OF AGRICULTURE

Bachelors of Science—9

Loren LeRoy Bishop
Carl Alexander Brodrick
Carl Fred Chase
Vere Sanford Culver
Harold Hubert Greenamyre

Frederic Wenzel Hofmann
Mauricio Lazo
Edgar Garwood Polleys
Arthur Thaddeus Upson

THE COLLEGE OF ENGINEERING

Bachelors of Science—51

Henry Otto Baumann
Walter Nelson Bozarth
William Henry Burleigh
William Edward Byerts
Robert Erle Campbell
Horace Jackson Cary
Clinton Harvey Chalmers

Jesse Maynard Clarke
Robert Leroy Cochran
Gordon Edward Davis
Willard Alton Davison
Harold LaSelle Fiske
Gerald Walton French
Homer Edward Grosbach

Charlie Marks Hardin
 Frederick Chapin Harding
 Leonard Rhodes Heggelund
 John Albert Hepperlen
 John Cameron Hoge
 George William Huey
 Archie William Hummel
 Claude Brownell Huston
 Benjamin Parks Johnson
 Wilbur August Jones
 Charles David Kunkel
 Harold Leicester LaChappelle
 Karl Lorraine Ludwick
 John Glenn Mason
 Carl Wayne Mengel
 D C Mitchell
 Ohio Nebraska Munn
 Hiram Edgar Newell
 Harry Stilwell Nixon

Oscar Leonard Olson
 William Joseph Provaznik
 Jacob Arthur Ryan
 Hugo Cyrus Schlueter
 Clyde Payne Soderberg
 Carl Frederick Spellmeyer
 Arthur Dale Stancliff
 Joseph Laurie Tatum
 Charles Ernest Thornburg
 John Guiles Trude
 Ora Elmer VanBerg
 Harry Seward Villars
 William Talbot Vivian
 Ralph Theodore Wenstrand
 Frank Oren Wheelock
 Vallery White
 Walter Jacob Wohlenberg
 Harry Elias Wolters

THE COLLEGE OF LAW

Bachelors of Laws—35

John Hercules Agee
 Ralph Lee Arnold
 Homer Elhanan Aylsworth
 Herbert Willis Baird
 James Edmund Bednar
 Maxwell Vance Beghtol
 Arthur Maury Bunting
 Levi Melville Burkey
 Charles William Campbell
 Herbert James Curtis
 George Alfense Doll
 Henry Edwin Dress
 Frank Arthur Dutton
 Heinz Joseph Freitag
 Otto Joseph Gatzmeyer
 Vancil Kelso Greer
 Frank P. Johnson
 Grover Cleveland Long

Henry Sherman Lower
 Daniel Michael McCarthy
 Joseph Harney Morgan
 Fred Truman Nichols
 Hugo McLernon Nicholson
 Frank August Peterson
 George Curtis Proud
 John Lawrence Rice
 Edward Erle Richards
 Robert F. Romans
 David Simms
 Alfonzo J. Sturzenegger
 Lester Corwin Syford
 Calvin Hill Taylor
 Albert Milton Thompson
 Ralph Ernest Waldo
 Charles Leroy Whitney

THE COLLEGE OF MEDICINE

Doctors of Medicine—16

William Nance Anderson
 George Buol
 Harry Raymond Carson
 Irving Samuel Cutter
 Robert Glen Miller
 Meyer Harris Newman
 Justus Edgar Olsson
 Roland Ray Reed

Charles Edward Remy
 Frank Waldo Scott
 Bryant Robert Simpson
 Robert James Stearns
 Charles Roy Stewart
 Samuel August Swenson
 Jeanette Franc Throckmorton
 James Clyde Waddell

Doctor of Medicine cum laude—1

Charles Lieber, M. D.

Degrees in Pharmacy—3

Elsie Day

Edwin Adolph Fricke

Jay Guy Rinker

THE GRADUATE COLLEGE

Masters of Arts—18

- Viola Florence Barns, A. B. 1909—English Literature, Germanics, American History
 Emil August Boostrom, A. B. 1902—Botany
 Berend John Brethouwer, A. B. 1909, Cotner University—Philosophy
 Annis Sarah Chaikin, A. B. 1908—Greek, Latin, Germanics
 Ellis Lincoln Edwards, B. Sc. 1905, University of Oklahoma—Geology, Geography
 Clark Adelbert Fulmer, Ph. B. 1898, Nebraska Wesleyan University—Education, Educational Psychology
 Edwin R. Guthrie, A. B. 1907—Philosophy
 Frank Elmer Howard, M. D. I. 1901, Iowa State Normal—Education
 Della Elizabeth Ingram, A. B. 1907, Washington State College—Botany
 Aurelia Koch, Ph. B. 1902, University of Chicago—Germanics
 Emily Gertrude Moore, A. B. 1907—Germanics, English Language and Literature
 Candis Jane Nelson, A. B. 1905—American History, Education
 Mabelle Zoe Nims, A. B. 1908—Philosophy, Latin
 Edward Palmer Pillans, B. D. 1899, Kentucky Theological Seminary; A. M. 1906, University of Chicago—Ethics, History of Philosophy
 Sarah Agnes Ryan, A. B. 1893—Germanics, Educational Theory and Practice, Philosophy
 Robert Douglas Scott, B. Sc. 1904, Kansas State College—English Language and Literature
 Vernon Vilas Westgate, B. Sc. 1908—Horticulture
 Cyrus Vance Williams, B. Ed. 1909, Peru State Normal—Botany

Doctor of Philosophy—1

- Franklin Davis Barker, A. B. 1898, A. M. 1900, Ottawa University—Zoology, Bacteriology

CERTIFICATES GRANTED IN 1909-1910

THE UNIVERSITY TEACHERS' CERTIFICATES—56

Bachelors of Arts—53

- | | |
|-----------------------------|------------------------------|
| Christine Anderbery | Benjamin True Kess |
| Selma Sophia Anderson | Grace Jennie Kimmel |
| Lucia Maria Arends | Gertrude Kincaide, 1909 |
| Pearle Annot | Venus Una Leamer |
| Esther Bailey | Jessie Alice Lee |
| Ruby Barnebey | Katherine Little |
| Lulu Fay Beekly | Bertha Musson Luckey |
| Mathilde Elizabeth Brugger | George Paul Luckey |
| Marguerite Rose Burke, 1909 | Helen Anna Lykke |
| Ellen Elizabeth Cannell | Mabelle Rae McVeigh |
| Marie King Carriker | Coralie Henrietta Meyer |
| Alice Eliza Compton | Bertha Neale |
| Fannie Riggs Conkling | Mabel Esther Nelson |
| Myra May Cook | Ada Emily Ostrander |
| May Delima Dion | Mary Eudora Persinger |
| Ruby Faus, 1909 | Elsie Katherine Rokahr |
| Katherine Follmer | Jessie Francis Safford |
| Lois Beatrice Fossler | Blanche Kathryn Sperling |
| Mary Alice Frum | Bashie Beth Tully |
| Maggie May Patton Gehrke | Nellie Antoinette Vail, 1909 |
| Blanche Deborah Glyen | Katheryn Elizabeth Wagner |
| Marie von Goetz | Winifred Waters |
| Teresa Edith Hempel | Dorothea Weaver |
| Katherine Hole | Charlotte Wilke |
| Rachel Edna Holmes | Ina Jeanette Williams |
| Beula Luella Jennings | Beatrice Susan Wilson |
| Jennie Mae Kates | |

Bachelors of Science—8

- Ellen Victoria Anderson Edna Elizabeth Bryan Mabel Violet VanCamp

SCHOOL OF AGRICULTURE—84

William Claassen Andreas	Heman Ernest Babcock
Charles Ernest Arnold	Howard Edward Barrett
Sanborn Edward Booth	Fred Palmerlee Loomis
Frederick Herman Bormann	Raymond Dennett Lynn
Christian Bernhard Bull	John Ernst Ludden
Lloyd Albert Busch	Edwin Lawson Davenport McNeel
James Stewart Cacy	Elmer Eugene Matson
Russell Eugene Campbell	Don Deal Maxfield
John Jansen Claassen	Benjamin Harrison Mills
Howard Henry Cone	Edward Jacob Monnich
Harry Alonzo Cummins	Albert Clayton Morrasy
Elliott Register Davis	Llewelyn E. Morris
Royce Clinton Davison	Kenneth Earle Nash
William James Day	Herman Arthur Nelson
Thomas Fred Dysart	Irvin Andrew Nelson
Henry Robert Fausch	Otto Clarence Nelson
Anton Bedrich Fiala	Homer LeRoy Nye
Arthur Dewitt Fitch	Harry Allen Pease
John Casper Forburger	Ernest Theodore Person
Lena Marie Forburger	John Henry Pierce
Cyrus Grant Emerald Ford	David Rees
Raymond J. Francis	Andrew Joseph Reid
Oscar Fred Frederickson	George Burton Riggs
Leon Oric George	Ruth Harriett Ritchie
Harry Garvin Gould	Ernest Schneider
Samuel Thomas Harrison	Benjamin Lyman Schobert
John William Hawley	Walter Oscar Schoenbeck
Charles Calvin Higgins	Frank S. Soukup
Herman Hofmeyer	Ray Leon Stephenson
Samuel Llovd Hood	Russell Alger Studley
John William Horsh	Edwin Clarence Swanson
Charles Oliver Hurtt	Ernest Elem Tietze
William Clyde Hutchinson	Edith Tully
Russel Raymond Isham	Frank Urban
Albert Button Jones	Percy Godfrey Vogel
Delmar Noble Johnson	Chester Allen Arthur Webster
Roy Rex Johnson	Merle Ethel Weyant
Benjamin Verne Kauffman	Ralph Brown Whitmore
Ethel Leta Kindig	Guy Emerson Willcox
Michael Edward William Kraxberger	Mabel Agnes Wilson
Melville Milton Linder	Vera Bee Wilson
Grace Long	Carl Stanley Young

SCHOOL OF MUSIC CERTIFICATES—21

Annie Laurie Beach	Hazel Lodge
Ethel Burket	Florence Malone
Lulu Carnes	Ethel Eckerd Oltman
Bessie Fayvelle Chambers	Lillian Parfitt
Sarah Mabel Doran	Velma Cross Reed
Alma Fehner	Rosa Margaret Roeca
Jessie Belle Graves	Letta Russell
Florence Harford	Arvid Samuelson
Florence Marion Johnson	Linna Timmerman
Hazel Gertrude Kinsella	Marietta Matteson Wemple
Lulu Marye Lakin	

PHYSICAL EDUCATION CERTIFICATES—3

Myra Conner	Mary Otis Herbert	Lora Jeanette Lawrence
-------------	-------------------	------------------------

STATE MILITARY COMMISSIONS—35

IN THE UNIVERSITY

Major—Vallery White

Captains—Arthur Everette Ingersoll, Samuel Arthur Mahood, August Carl Schmidt, John Aaron Scotney, Martin Ernst Strieter, Arthur Thaddeus Upson, Carl Leland Modesitt, Horace Jackson Cary

First Lieutenants—Clyde Payne Soderberg, Oscar Leonard Olson, William Edward Byerts, Harry Otis Perry, Roselle Otis Burris

Second Lieutenant—Harvey Leigh Ballenger

IN THE SCHOOL OF AGRICULTURE

Major—Harry Garvin Gould

Captains—Samuel Lloyd Hood, Russell Raymond Isham, Albert Clayton Morrasy, Kenneth Earl Nash, Homer LeRoy Nye

First Lieutenants—Christian Bernhard Bull, John Casper Forburger, Charles Oliver Hurtt, Delmar Noble Johnson, Benjamin Verne Kauffman, Michael Edward William Kraxberger, Elmer Eugene Matson

Second Lieutenants—Arthur DeWitt Fitch, Cyrus Grant Emerald Ford, Roy Rex Johnson, Irvin Andrew Nelson, Ernest Schneider, Guy Emerson Wilcox, Chester Allen Arthur Webster

GRADUATE STUDENTS IN 1909-1910—154

Candidates for Degree of Doctor of Philosophy

- Anl, William Eugene Adolphus.....College View
B. S. 1897, M. S. 1899, Battle Creek College
Education, American History
- Barker, Franklin Davis.....Lincoln
A. B. 1898, A. M. 1900, Ottawa University
Zoology, Bacteriology
- Bengtson, Nels August.....Lincoln
A. B. 1907, A. M. 1908, University of Nebraska
Geography
- Elmore, Wilber Theodore.....Lincoln
A. B. 1896, A. M. 1897, University of Nebraska
Political Science and Sociology, Ethics, English Language and Literature
- Gilmore, Melvin Randolph.....Bethany
A. B. 1904, Cotner University; A. M. 1909, University of Nebraska
Botany, Geography
- Hilton, John William.....Bethany
A. B. 1898, Cotner University; A. M. 1903, University of Nebraska
Ethics, Psychology, Sociology
- Jackson, William Roberts.....University Place
A. B. 1902, A. M. 1904, University of Nebraska
Education, Political Science
- Needham, Daisy Jeanette.....Bostwick
A. B. 1907, University of Nebraska
European History
- Pfeiffer, Laura Belle.....Kadoka, S. D.
A. B. 1897, A. M. 1906, University of Nebraska
European History
- Pool, Raymond John.....Lincoln
A. B. 1907, A. M. 1908, University of Nebraska
Botany, Geography
- Searson, James William.....Manhattan, Kans.
A. B. 1896, A. M. 1899, University of Nebraska
English Language and Literature
- Sullivan, Mary.....Omaha
A. B. 1898, A. M. 1900, University of Nebraska
English Literature
- Swenk, Myron Harmon.....Lincoln
A. B. 1907, A. M. 1908, University of Nebraska
Botany, Entomology
- Walker, Leva Belle.....Forest Grove, Ore.
A. B. 1901, Pacific University; A. M. 1908, University of Nebraska
Botany

Candidates for the Degree of Master of Arts

- Anderson, Claude North.....Kearney
B. Sc. 1890, Lombard University
European History
- Atherton, Loren George.....York
A. B. 1906, University of Iowa; M. S. 1908, Christian College
Zoology
- Barns, Viola Florence.....Albion
A. B. 1909, University of Nebraska
English Literature, Germanics, American History

- Barre, Henry Walter.....Lexington, S. C.
B. Sc. 1907, University of Nebraska
Botany, Agriculture
- Bennett, Claudius Edmund.....Havelock
B. Sc. 1909, University of Nebraska
Physics
- Bishop, Earl Stephen.....University Place
B. Sc. 1909, Nebraska Wesleyan University
Agricultural Chemistry
- Boostrom, Emil August.....Stromsburg
A. B. 1902, University of Nebraska
Botany
- Brethouwer, Berend John.....University Place
A. B. 1909, Cotner University
Philosophy
- Bunce, GraceLincoln
A. B. 1909, University of Nebraska
European History, American History
- Burdick, Burton Albert.....University Place
A. B. 1906, Nebraska Wesleyan University
American History
- Burns, Abbie Cornelia.....University Place
A. B. 1892, A. M. 1894, Nebraska Wesleyan University; A. B. 1893,
University of Nebraska
Germanics
- Chaikin, Annis Sarah.....Omaha
A. B. 1908, University of Nebraska
Greek, Latin, Germanics
- Coons, George Herbert.....Lincoln
A. B. 1908, University of Illinois
Botany
- Daughters, Britannia R.....Lincoln
A. B. 1905, University of Nebraska
Education, Political Science and Sociology
- Davis, Mary Myrle.....Lincoln
A. B. 1902, University of Nebraska
Latin, English Literature
- Edwards, Ellis Lincoln.....Lincoln
B. Sc. 1905, University of Oklahoma
Geology, Geography
- Emerson, Rollins Adams.....Lincoln
B. Sc. 1897, University of Nebraska
Agricultural Botany, Soils
- Ernsberger, Iva Belle.....Norwalk, Ohio
A. B. 1907, Ohio State University
Mathematics
- Feemster, Howard Calvin.....York
A. B. 1902, Drury College
Mathematics
- Fifer, FloraUniversity Place
A. B. 1899, University of Nebraska
Latin
- Files, Ellery Knapton.....University Place
B. Sc. 1908, Nebraska Wesleyan University
Agricultural Chemistry
- Filley, Horace Clyde.....Beatrice
A. B. 1902, University of Nebraska; B. Ed. 1906, Peru State Normal
Agronomy

Foltz, Grace Abbott.....	Kearney
Ph. B. 1901, Nebraska Wesleyan University	
English Language and Literature	
Foote, Paul Darwin.....	Jefferson, Ohio
A. B. 1909, Adelbert College of Western Reserve University	
Physics	
Fulmer, Clark Adelbert.....	University Place
Ph. B. 1898, Nebraska Wesleyan University	
Education, Educational Psychology	
George, Ralph Lowell.....	Cumro
B. Sc. 1909, University of Nebraska	
Chemistry	
Glass, Jessie June.....	Lincoln
A. B. 1909, University of Nebraska	
English Language and Literature	
Graham, Mary Catherine.....	Lincoln
A. B. 1909, University of Nebraska	
Chemistry	
Grimm, Edith Anita.....	Lincoln
A. B. 1909, University of Nebraska	
Latin, English Language and Literature	
Hann, George Washington.....	Lincoln
B. Sc. 1909, University of Nebraska	
Mathematics	
Heath, Eugene Schofield.....	Lincoln
A. B. 1906, Ohio Wesleyan University	
Botany	
Heath, Virginia Shropshire.....	Lincoln
A. B. 1906, Woman's College of Baltimore	
English Language and Literature	
Hill, Robert Roy.....	Geneva
A. B. 1905, University of Nebraska	
Forestry, Botany	
Hiltner, Walter Garfield.....	Lincoln
B. Sc. 1904, University of Nebraska; M. D. 1908, Harvard	
Political Science, Philosophy	
Hisey, Albert Samuel.....	Lincoln
A. B. 1909, Nebraska Wesleyan University	
Philosophy, Political Science and Sociology	
Howard, Frank Elmer.....	College View
M. D. I. 1901, Iowa State Normal	
Education	
Howard, Robert Francis.....	Lincoln
B. S. 1908, University of Missouri	
Horticulture	
Howie, John M.....	Pern
B. Sc. 1896, Cotner University	
Mathematics	
Ingram, Della Elizabeth.....	Dayton, Wash.
A. B. 1907, Washington State College	
Botany	
Isham, Robert Melyne.....	University Place
A. B. 1909, Nebraska Wesleyan University	
Chemistry	
Jones, Ada Magee.....	University Place
A. B. 1908, University of Missouri	
Romance Languages	
Jones, Lloyd Ancile.....	York
B. Sc. 1908, University of Nebraska	
Physics	

Kincaide, Gertrude	Lincoln
A. B. 1909, University of Nebraska	
Romance Languages, American History	
Koch, Aurelia	Gandy
Ph. B. 1902, University of Chicago	
Germanics	
Krueger, John Fritz	Lincoln
A. B. 1903, Midland College	
Political Science	
Lamb, George Newton	Lincoln
B. Sc. 1909, University of Nebraska	
Botany	
Leavitt, Frederick William	Franklin
A. B. 1895, Doane College	
English Language and Literature	
Lewis, John Greenleaf Whittier	Broken Bow
A. B. 1900, Grand Island College	
American History, Jurisprudence, Political Science	
Loomis, Lucinda Bills	Lincoln
A. B. 1903, University of Nebraska	
European History	
McCallum, Jessie Eugenia	Lincoln
B. Sc. 1902, University of Nebraska	
Chemistry	
McConnell, Florence S.	Lincoln
A. B. 1900, University of Nebraska	
English Literature	
McLean, Margaret Helena	Lincoln
A. B. 1904, Buena Vista College	
Mathematics, Physics	
McPhee, Clarisse Mary	Lincoln
A. B. 1902, University of Nebraska	
English Literature	
Mann, William Rufus	Raymond
A. B. 1909, Doane College	
Physics, Mathematics	
Marcellus, Edward Winifrid	Lincoln
A. B. 1909, Northwestern University	
Philosophy	
Marferding, Sarah Janet	Lincoln
A. B. 1909, University of Nebraska	
Geography, Germanics	
Medlar, Edgar Matthias	Crete
B. Sc. 1908, Doane College	
Zoology	
Moore, Emily Gertrude	Lincoln
A. B. 1907, University of Nebraska	
Germanics, English Language and Literature	
Nelson, Candis Jane	Lincoln
A. B. 1905, University of Nebraska	
American History, Education	
Neumann, Gustav Adolph	Lincoln
B. D. 1891, Eden Theological Seminary	
Political Science and Sociology	
Nims, Mabelle Zoe	Humboldt
A. B. 1908, University of Nebraska	
Philosophy, Latin	
O'Kane, Lena Alberta	Ithaca
A. B. 1909, Bellevue College	
Latin	

Olmstead, Lewis Bertie.....	Lincoln
B. Sc. 1909, University of Nebraska	
Physics	
Patterson, Edith Lindsley.....	North Platte
A. B. 1909, University of Nebraska	
Germanics	
Pillans, Edward Palmer.....	Tekamah
B. D. 1899, Kentucky Theological Seminary; A. M. 1906, University	
of Chicago	
Ethics, History of Philosophy	
Piper, Jennie Louise.....	Lincoln
A. B. 1904, University of Nebraska	
European History	
Price, Ruth Amella.....	Lincoln
A. B. 1909, University of Nebraska	
Political Science and Sociology, Education	
Pugsley, Charles William.....	Lincoln
B. Sc. 1904, University of Nebraska	
Animal Husbandry, Plant Breeding	
Purinton, Alice McClellan.....	Wilcox
B. Sc. 1908, University of Nebraska	
Physics	
Reinsch, Frank Herman.....	Shickley
A. B. 1909, University of Nebraska	
Germanics	
Runge, Lulu Lillian.....	Madison, Wis.
A. B. 1905, A. M. 1909, University of Wisconsin	
Mathematics	
Ryan, Sarah Agnes.....	Lincoln
A. B. 1893, University of Nebraska	
Germanics, Educational Theory and Practice, Philosophy	
Scarborough, Ray James.....	University Place
A. B. 1909, University of Nebraska	
Geography	
Scott, Henry Miller.....	Lincoln
A. B. 1909, University of Nebraska	
Philosophy	
Shedd, Claude Kedzie.....	Lincoln
B. Sc. 1909, University of Nebraska	
Farm Mechanics, Engineering	
Shugart, Nettie Wills.....	Lincoln
B. Sc. 1893, Doane College	
English Literature	
Smith, Margaret J.....	Lincoln
A. B. 1908, University of Nebraska	
Philosophy, Mathematics	
Stetler, Carrie May.....	Lincoln
A. B. 1903, University of Nebraska	
English Language and Literature, Germanics	
Swezey, Emma Josephine.....	Lincoln
A. B. 1909, University of Nebraska	
Romance Languages, American History	
Syford, Constance Miriam.....	Lincoln
A. B. 1909, University of Nebraska	
English Literature, Romance Languages, Germanics	
Teach, Charles Elden.....	University Place
A. B. 1903, University of Nebraska	
American History, Political Science and Sociology	

Thompson, Warren Simpson.....	University Place
A. B. 1907, Nebraska Wesleyan University	
Philosophy, Sociology	
Walton, Charles Newton.....	Wahoo
A. B. 1904, University of Nebraska	
Education	
Weaver, John Ernst.....	Lincoln
B. Sc. 1909, University of Nebraska	
Botany	
Westgate, Vernon Vilas.....	Lincoln
B. Sc. 1908, University of Nebraska	
Horticulture	
Whitford, Arlie Claude.....	Ashland
Ph. B. 1907, Alfred University	
Botany, Geography, Geology	
Williams, Cyrus Vance.....	Peru
B. Ed. 1909, Peru State Normal	
Botany	
Wilson, Bert	Bethany
A. B. 1909, Cotner University	
Sociology	
Wood, Albert Gerard.....	Wingate, Ind.
B. S. 1904, Valparaiso University; A. B. 1909, Indiana University	
Botany	
Wood, Wilber Sylvester.....	Lincoln
A. B. 1909, University of Nebraska	
Chemistry	
Woodard, John Albert.....	Havelock
A. B. 1909, University of Nebraska	
Education, Educational Psychology	
<i>Candidate for the Degree of Civil Engineer</i>	
Boyd, Alfred	Lincoln
B. S. 1894, Washington University	
Civil Engineering	
<i>Graduate Students Without Reference to a Degree</i>	
Adams, Delia Condit.....	Lincoln
A. B. 1902, University of Nebraska	
Ashby, Robert Childers.....	Genoa
B. Sc. 1908, University of Nebraska	
Baldwin, Raymond William.....	McPherson, Kans.
A. B. 1905, McPherson College; A. M. 1908, Kansas University	
Bates, Sarah Glazier.....	Lincoln
A. B. 1868, A. M. 1872, Vassar College	
Beddall, Marcus M.....	Lincoln
B. L. 1897, University of Wisconsin	
Bridenbaugh, Nell	Lincoln
A. B. 1908, University of Nebraska	
Burke, Marguerette Rose.....	Lincoln
A. B. 1909, University of Nebraska	
Burrage, Dwight Grafton.....	Crete
A. B. 1897, A. M. 1899, Amherst College	
Butterbaugh, William Sherman.....	College View
M. D. 1892, Keokuk Medical College	
Clark, Grace Maria.....	Lincoln
A. B. 1907, University of Nebraska	
Crawford, Mary	Kearney
A. B. 1907, University of Nebraska	

Deweese, Alice Towne.....	Lincoln
A. B. 1905, University of Nebraska	
Dovey, Claire Jane.....	Plattsmouth
A. B. 1907, University of Nebraska	
Ewing, Halle Laura.....	Lincoln
M. D. 1899, University of Michigan	
Field, Georgie Baldwin.....	Lincoln
A. B. 1908, University of Nebraska	
Gilmore, Charles.....	Lincoln
B. Sc. 1896, M. S. 1908, Geneva College	
Goodrich, Thomas Victor.....	Lincoln
A. B. 1094, University of Nebraska; A. M. 1908, University of Wisconsin	
Green, Guy Wilder.....	Lincoln
B. S. 1891, Doane College; LL. B. 1897, University of Nebraska	
Guthrie, Edwin Ray.....	Lincoln
A. B. 1907, University of Nebraska	
Hahn, Henry H.....	Blair
A. B. 1890, Ohio Northwest University	
Hainer, Julia Thurston.....	Lincoln
A. B. 1906, Leland Stanford University	
Hannah, Margaret Louise.....	Tilden
A. B. 1907, University of Nebraska	
Harmon, Harvey Horace.....	Lincoln
A. B. 1896, University of Nebraska; A. M. 1906, Butler College of University of Indianapolis	
Harper, Ella Bradford.....	Lincoln
A. B. 1902, University of Nebraska	
Harvey, James Bascom.....	Wilber
B. Sc. 1909, University of Nebraska	
Hedges, Mabel Maude.....	Lincoln
A. B. 1907, University of Nebraska	
King, Edna Hazel.....	Lincoln
A. B. 1907, University of Nebraska	
Kinyon, Susie.....	Raymond
A. B. 1905, University of Nebraska	
Malone, Francis Frederick.....	Lincoln
B. Sc. 1901, University of Nebraska; M. D. 1904, Northwestern University	
Miller, Eleanora Tibbetts.....	Lincoln
A. B. 1900, A. M. 1902, University of Nebraska	
Miller, Louise.....	Lincoln
A. B. 1903, A. M. 1905, University of Nebraska	
Morrell, Emma Enid.....	Palmyra
A. B. 1905, University of Nebraska	
Nesbitt, Orpha Ellen.....	Pawnee City
B. Sc. 1906, Northwestern University	
Olson, Ole.....	Lincoln
M. D. 1909, Nebraska College of Medicine	
Pringle, Ernest Eugene.....	College View
Diploma 1909, Emmanuel Missionary College	
Putnam, John Jacob.....	Gibbon
B. Sc. 1904, University of Denver; A. M. University of Chicago	
Reeves, William Marshall.....	Bethany
A. B. Northwestern Christian College; Ph. B. Drake University; A. M. Cotner University	
Richey, Justus Livingston.....	Plattsmouth
A. B. 1909, University of Nebraska	

Robbins, Ida Lute.....	Lincoln
B. S. 1890, Tabor College; A. M. 1902, University of Nebraska	
Scott, Robert Douglas.....	Lincoln
B. Sc. 1904, Kansas State College	
Sheldon, Addison Erwin.....	Lincoln
A. B. 1902, A. M. 1904, University of Nebraska	
Shoufler, Edward Everett.....	Syracuse
A. B. 1909, University of Nebraska	
Stockdale, Verne Katherine.....	Omaha
A. B. 1909, University of Nebraska	
Tuttle, Emma Jean.....	Lincoln
B. Sc. 1898, University of Nebraska	
Watson, Robert Hart.....	Lincoln
B. Sc. 1905, Lincoln Normal University	
White, Marie Gertrude.....	Lincoln
A. B. 1906, University of Nebraska	
Wilhelmson, Emma.....	St. Paul
A. B. 1902, University of Nebraska	
Wilson, Mary Miller.....	Rushville
A. B. 1908, University of Nebraska	

ALPHABETICAL LIST OF STUDENTS, 1909-1910.

Abbreviations

Letter indicates college and figure indicates year.

A—College of Arts and Sciences; CA—College of Agriculture; SA—School of Agriculture; SAS—School of Agriculture, short course; T—Teachers College; E—College of Engineering; L—College of Law; M—College of Medicine; SM—School of Music; G—Graduate College; P—School of Pharmacy; S—Summer Session; Ss—School of Superintendence; FA—School of Fine Arts; Ex—University Extension; u—Unclassed.

NAME	COLLEGE OR SCHOOL AND YEAR	HOME ADDRESS
Abbott, Roscoe Conklin.....	A 4.....	Wood River
Acker, Lyman Louis.....	SA 2.....	Harvard
Ackerman, Elsie.....	SM.....	Lincoln
Ackerman, George Maurice.....	E 2.....	Ainsworth
Acton, Mabel.....	Ex.....	Cortland
Adams, Edgar Malcolm.....	A 1.....	Shelby, Ia.
Adams, Lella White.....	Au.....	Lincoln
Adams, Orra Scott.....	SA 1.....	Venus
Adams, Percy A.....	A 2.....	Lincoln
Adams, Della Condit.....	G.....	Lincoln
Adamson, Esther Mary.....	T 3.....	Lincoln
Adson, Alfred Washington.....	A 3.....	College View
Agee, John Hercules.....	L 3.....	Lincoln
Ahrens, Don E.....	E 1.....	Sidney
Akagi, Kinju.....	E 4.....	Okayama, Japan
Albright, Blanche Lucile.....	A 2, SM.....	Pawnee City
Albright, Fern.....	SM.....	Pawnee City
Aldrich, Carl Milton.....	E 1.....	Nebraska City
Aldrich, Spencer Eugene.....	A 1.....	Mead, Kans.
Alexander, Arthur Simpson.....	E 3.....	Lincoln
Alexander, Bess.....	T 3.....	Lincoln
Alexander, Gertrude.....	SM.....	Lincoln
Alexander, John Merriam.....	A 4.....	Lincoln
Aldritt, Earl Cleo.....	Mu.....	Friend
Allen, Florence N.....	T 3, Ex.....	Hiawatha, Kans.
Allen, Conrad Mortimer.....	A 1.....	Lincoln
Allen, Edith.....	S.....	Lincoln
Allen, Emily Newell.....	Au.....	Lincoln
Allen, Harriett.....	FA.....	Lincoln
Allen, Jeanne.....	A 1.....	Valparaiso
Allen, Kent.....	A 1.....	Wisner
Allen, Louis Baker, Jr.....	A 1.....	Burlington, Ia.
Allen, Margaret.....	SM.....	Ansley
Allen, Marie.....	Au, SM.....	Lincoln
Allen, Ruth Mariel.....	SM.....	Lincoln
Almquist, Florence.....	SM.....	Wahoo
Amberson, Alexander Boyd.....	E 3.....	Superior
Amberson, Mertle.....	S.....	Superior
Ambrose, Frank Joseph.....	SA 1, s.....	St. Paul
Amerman, Ralph Kenneth.....	A 1.....	St. Joseph, Mo.
Amos, Mary Leonora.....	SA 2.....	University Place
Anderbery, Christine.....	T 4.....	Minden
Anderson, Agnes Marguerite.....	A 2.....	St. Paul
Anderson, Alice Maybelle.....	Au.....	Ames
Anderson, Andrew Emmett.....	A 2.....	Lincoln
Anderson, Andrew Victor.....	E 1.....	Lincoln

Anderson, Anna F.....	Ex.....	David City
Anderson, Arthur Eugene.....	CA 2.....	Concord
Anderson, Arvid Wilhelm.....	E 2.....	Omaha
Anderson, August N.....	Au.....	Lincoln
Anderson, Carl Bernard.....	E 2.....	Nebraska City
Anderson, Claude North.....	G.....	Kearney
Anderson, Earnest Sommer.....	SA 2.....	Ruskin
Anderson, Edwin Andrew.....	SAs.....	Arcadia
Anderson, Ellen Victoria.....	T 4.....	Lincoln
Anderson, Elmer Le Roy.....	E 1.....	Lincoln
Anderson, Emma Nathalia.....	A 4, SM.....	Ames
Anderson, George Henry.....	SAs.....	Cowles
Anderson, Hans Martin.....	E 1.....	Norfolk
Anderson, Harry Edward.....	SAs.....	Cozad
Anderson, Henry.....	Tu.....	College View
Anderson, John.....	SA2.....	Omaha
Anderson, John S.....	SAu.....	Seward
Anderson, Kate.....	SM.....	Lincoln
Anderson, Lawrence.....	S.....	College View
Anderson, Lewis Robbins.....	CA 2.....	Genoa
Anderson, Mabel.....	SM.....	Wahoo
Anderson, Marjorie Lelia.....	SM.....	Coeur d'Alene, Idaho
Anderson, Martin Edgar.....	T 3, S.....	College View
Anderson, Maud Ruth.....	S.....	Lincoln
Anderson, Mildred Johanna.....	Au.....	Milford
Anderson, Selma Sophia.....	T 4.....	Omaha
Anderson, Walter August.....	SAs.....	Arcadia
Anderson, William Nance.....	M 4.....	Omaha
Andreas, William Claassen.....	SA 3.....	Beatrice
Andrews, Myrtle Lucy.....	SM.....	Lincoln
Andrews, Mrs. O. A.....	SM.....	Lincoln
Andrews, Raleigh K.....	A 2.....	College View
Andrews, Thomas Galpin.....	L 1.....	Lincoln
Andrews, Vernon Daniel.....	E 1.....	Lincoln
Andrus, Emma H.....	SAs.....	Lincoln
Angel, Leon C.....	A 2.....	Spencer
Anheuser, Ellen Amalia.....	T 2.....	Omaha
Ankeny, Harry Ray.....	L 1.....	Lincoln
Anthony, Hattie M.....	S.....	Lincoln
Applegate, Oscar Ezra.....	SA 2.....	Gibbon
Arends, Anna Edna.....	T 1.....	Syracuse
Arends, Lucia Maria.....	T 4.....	Syracuse
Arendt, Georgia May.....	SM.....	Utica
Arlander, Rose Christina.....	A 1.....	Oakland
Armstrong, Amy Eleanor.....	T 1.....	Syracuse
Armstrong, Ernest Franklin.....	L 1.....	Auburn
Armstrong, John Lord.....	E 2.....	Filley
Armstrong, John Ray.....	Ex.....	De Witt
Armstrong, Nell.....	S.....	Germantown
Armstrong, Pearl Witte.....	A 1.....	Lincoln
Armstrong, Percy Cole.....	E 2.....	Edgar
Armstrong, Robert McDowell.....	A 1.....	Auburn
Armstrong, Rosa.....	Ex.....	Chadron
Arnold, Milton Frederick.....	M 1.....	Lincoln
Arnold, Almee Fay.....	T 1.....	Lincoln
Arnold, Arthur Harry.....	SA 1.....	Inavale
Arnold, Ernest Charlie.....	SA 3.....	Funk
Arnold, Frieda Elizabeth.....	T 2.....	Lincoln
Arnold, Henry.....	Ex.....	Sterling
Arnold, Merle Victor.....	A 2, CA 2.....	Brady
Arnold, Ralph Leo.....	L 3.....	Tobias
Arnold, Vesper E.....	FA, SM.....	Brady
Arnot, Pearl.....	T 4.....	Merriman
Aron, Della.....	SM.....	Crete

DIRECTORY OF STUDENTS

397

Arter, Jason Richardson.....	SAs.....	Kirkwood
Arterburn, Lucile.....	SM.....	Lincoln
Asendorf, Bernhardt Herman.....	CAu.....	Lincoln
Ashby, Anna Cloe.....	SA 2.....	Genoa
Ashby, Fern Lee.....	SA 2.....	Genoa
Ashby, Robert Childers.....	G.....	Genoa
Ashton, John Y.....	Ex.....	Hickman
Aten, William Banta.....	A 2.....	Alexander
Athan, Mrs. A. W.....	Ex.....	Blair
Atherton, Loren George.....	G.....	York
Atkins, Will Everett.....	S, Ss, Ex.....	Lawrence
Atwood, Catherine.....	SM.....	Lincoln
Atwood, Della Gene.....	CA 1.....	Lincoln
Atwood, Elmina Gladys.....	T 1.....	Lincoln
Aukerman, Gertrude Belle.....	S.....	Havelock
Aul, William Eugene Adolphus.....	G, S, Ex.....	College View
Austin, Deborah L.....	SM.....	Denton
Austin, Erma Vera.....	A 1.....	Lincoln
Austin, William Radford.....	E 1.....	Perry, Okla.
Axtell, Amy Elizabeth.....	T 2.....	Lincoln
Axtell, Vivian Violet.....	SA 2.....	Lincoln
Ayers, David.....	Eu, S.....	Lincoln
Aylsworth, Homer Elhanan.....	L 3.....	North Bend
Ayres, James Albert.....	A 4.....	Lincoln
Babb, Claude R.....	SM.....	Adams
Babbitt, George De Witt.....	E 1.....	Florence
Babcock, Alice.....	T 1, SM.....	Lyons
Babcock, Dora.....	SM.....	Columbus
Babcock, Leman Ernest.....	SA 3.....	Columbus
Babcock, Vale.....	SM.....	Lincoln
Bachoritch, Cecil James.....	E 1.....	Fairbury
Backlund, Theodore William.....	SA 2.....	Stromsburg
Badger, Mary Belle.....	T 3.....	Fairmont
Baehr, Katherine Josephine.....	A 1, SM.....	St. Paul
Baer, Alva Aldus.....	Au, S.....	Lincoln
Bagley, Charles.....	SM.....	Lincoln
Bagnell, Ruth Lee.....	SM.....	Lincoln
Bailey, Esther.....	T 4.....	Lincoln
Bailey, Ethel Joy.....	SM.....	Lincoln
Bailey, Irene Lou.....	A 2.....	Fairbury
Bailey, Rupert Hiram.....	E 4.....	Kearney
Bailey, Sarah Florence.....	CA 2.....	Lockington, O.
Bain, Kathryn Margaret.....	A 2.....	Lincoln
Baird, Herbert Willis.....	L 3.....	Lincoln
Baird, Sarah Adella.....	Au.....	Lincoln
Baker, Grayce.....	SM.....	Lincoln
Baker, Idamaye.....	S.....	Lincoln
Baker, Lewis Wittman.....	A 4.....	Lincoln
Baker, Mary Leona.....	A 4, FA, S.....	Lincoln
Baker, Susie Helen.....	A 1.....	Lincoln
Bald, Arno Albert.....	M 3.....	Omaha
Balderson, Alice Rena.....	SM.....	Wilber
Balderson, Jacob August.....	E 3.....	Wilber
Baldwin, Nellie L.....	SM.....	Exeter
Baldwin, Raymond William.....	G.....	McPherson, Kans.
Ball, Harry Ross.....	A 2.....	Hastings
Ballenger, Carrie Lucile.....	A 1.....	Lincoln
Ballenger, Harvey Leigh.....	A 4.....	Lincoln
Banks, Benjamin Franklin.....	SA 1.....	Wausa
Banks, Rose.....	Ex.....	Wausa
Barackman, Thomas.....	Ex.....	Dunbar
Barber, Bert M.....	CA 2.....	Lewellen
Barber, Hazel.....	SM.....	Lewellen
Barber, Madeline.....	SM.....	Stromsburg

Barbour, Charles Benjamin.....	A 3.....	Scottsbluff
Barbour, Eleanor.....	A 4.....	Lincoln
Barbour, Frederic L.....	M 4.....	Omaha
Barbour, Neal Andrus.....	A 3.....	Scottsbluff
Barger, Celene Virginia.....	SM.....	Ottumwa, Ia.
Barger, Esta.....	S.....	Lincoln
Barger, Vera Viola.....	A 2.....	Lincoln
Barker, Blanche Lucille.....	T 3.....	Lincoln
Barker, Earle Caswell.....	L 2.....	Lincoln
Barker, Franklin Davis.....	G.....	Lincoln
Barker, Merlin Eugene.....	A 3.....	Lincoln
Barkley, Edna MacDowell.....	SM.....	Lincoln
Barnard, Murray.....	CA 1.....	Beatrice
Barnard, Wilbur Dean.....	CA 1.....	Beatrice
Barnebey, Ruby.....	S.....	Lincoln
Barnes, Clara Margaret.....	SAu.....	Omaha
Barnes, Glenn.....	A 1.....	Fairbury
Barnes, Lloyd Andress.....	E 2, SM.....	Lincoln
Barnes, Ora.....	SAs.....	Litchfield
Barney, Howard.....	A 1.....	Kearney
Barns, Ruby Elizabeth.....	A 3.....	Albion
Barns, Viola Florence.....	G.....	Albion
Barnum, Alston Duane.....	SA 2.....	Omaha
Barr, Clifton Marion.....	Ex.....	Hastings
Barr, Louise.....	A 2.....	Lincoln
Barr, Marie.....	A 3.....	Lincoln
Barre, Henry Walter.....	G.....	Lexington, S. Car.
Barrett, Charles Irvin.....	SA 1.....	Wood River
Barrett, Ella May.....	T 3.....	Hastings
Barrett, Howard Edward.....	SA 3.....	Chadron
Barstow, Adrian Foote.....	A 1.....	Lincoln
Bartels, George Henry.....	SAs.....	Hubbard
Bartlett, Agnes Pauline.....	Au.....	Lincoln
Bartlett, George Knapp.....	A 3.....	Lincoln
Bartlett, Gertrude Tyler.....	SM.....	Lincoln
Barton, Clyde Turner.....	E 2.....	Pawnee City
Bartok, Julius.....	SM.....	Weston
Barton, Pearl Beth.....	T 3.....	Lincoln
Barwick, Hilda.....	S.....	Plattsmouth
Bates, Bessie Sarah.....	A 1, SM.....	Lincoln
Bates, Eula Kathryn.....	A 2.....	Springfield
Bates, Ford E.....	E 1.....	Springfield
Bates, Merton Ong.....	L 2.....	Belgrade
Bates, Ross W.....	Ex.....	Auburn
Bates, Ruth Mary.....	T 4.....	Lincoln
Bates, Sarah Glazier.....	G.....	Lincoln
Bates, William Laverne.....	A 2.....	Lodge Pole
Batten, Miriam.....	A 2.....	Lincoln
Batten, Sara Jeannette.....	SM.....	Lincoln
Batty, Elizabeth.....	SM.....	Hastings
Bauder, Mary.....	Ex.....	Phillips
Bauer, Raymond W.....	P 1.....	Ponca
Bauer, Rosina Pauline.....	SM.....	Lincoln
Baughn, Daisy Clair.....	Au.....	Lincoln
Bauman, Benjamin Raymond.....	Au.....	Lincoln
Baumann, Eunice Gussie.....	A 4.....	West Point
Baumann, Henry Otto.....	E 4.....	Omaha
Bayles, Ella Olive.....	S.....	Seward
Beach, Allen R.....	SM.....	Lincoln
Beach, Annie Laurie.....	SM.....	Lincoln
Beach, John Roy.....	A 1.....	Lincoln
Beal, Frank Pryor.....	SAs.....	Red Cloud
Beall, Thomas P.....	Ex.....	Lawrence
Beattie, Ethel.....	SM.....	Lincoln

Beattie, Merle M.	SM	Lincoln
Beatty, Robert Henry	L 1	Brady
Beaumont, Gladys Norton	A 1, SM	Lincoln
Beaver, Chester Adam	A 1	Red Oak, Ia.
Beaver, Raymond C.	SM	Cass, Ia.
Bechter, Leo Allen	A 1	Pierce
Beck, Edith M.	S	Beatrice
Becker, Henry Harrison	SAS	Union
Becker, John Thadius	SAS	Union
Becker, Wesley Charles	A 2	St. Joseph, Mo.
Becker, William Frederick	SA 2	Lincoln
Beckhoff, Alexander Henry	CA 1	Thedford
Beckman, Alfred William	Au	Lincoln
Beckman, Julia	SM	Stromsburg
Beckord, Henry George	P 1	Waco
Beckstrom, Robert Carl	M 1	Axtell
Beckwith, Bruce Raymond	E 2	Red Cloud
Beckwith, Gale DeMalber	E 1	Hlawatha, Kans.
Beddall, Marcus M.	G	Lincoln
Bednar, James Edmund	L 3	Odell
Beecher, Mittie Mabel	A 2	Kearney
Beekly, Lulu Fay	T 4, S	Lincoln
Beeler, Fenna Caroline	A 3	North Platte
Beery, Jean Z.	SM	Lincoln
Beghtol, Jessie Gretchen	A 3	Lincoln
Beghtol, Maxwell Vance	L 3	Bennett
Bell, Beulah	A1, SM	St. Paul
Bell, Dwight Day	L 2	Lincoln
Bell, Gertrude	SM	David City
Bell, Lucile	CA, SM	York
Bell, Martha Mohr	A 2	Pittsburg, Pa.
Bell, Myrle	SM	Flk Creek
Bell, Percival Howell	A 3	St. Paul
Bellair, Myrta	SM	Lincoln
Bellatti, Annie	T 4	Glenwood, Ia.
Belsky, Edna	SA 1	Verdigre
Beltzer, Oren A.	L 1	Arapahoe
Benedict, Blanche E.	SM	Culbertson
Bengtson, Nels August	G	Lincoln
Benner, Lloyd Elwood	A 1	Lincoln
Bennett, Charles Abel	E 3	Lincoln
Bennett, Claudius Edmund	G	Havelock
Bennett, Grace Mildred	T 2	Lincoln
Bennett, Rolley Ezra	SA 1	Winnetoon
Bennett, William Walter	CA 3	Lincoln
Benson, Charles Emile	A 2, Ex	Lincoln
Bentley, Orlando	E 4	Lincoln
Bentz, Pearl	Ex	Woonsocket, S. D.
Berg, Howard George	E 3	South Omaha
Berger, Della	S	Ansley
Berger, Edmund Benjamin	E 3	Lexington
Berggren, Bertha W.	SM	College View
Berggren, Mabel Josephine	SM	Lincoln
Bergman, Elmer	Ex	Kimball
Bergman, Gunnard Edward	S, Ex	Verona
Berkey, Charles Clinton	T 4	Davenport
Berkey, H. M.	Ex	Verdon
Bern, Amy Christy	SA 2	Wahoo
Bern, Carl Elmer	SA 1	Wahoo
Berquist, William Gerhardt	M 1	Bushnell
Berry, Charles	SA 2	Edison
Berry, David Theodore	SA 2	Seward
Berry, Gertrude May	A 1	Lincoln
Berry, Lela	A 2	Fairbury

Best, Horace W.	S.	Vermillion, S. D.
Bethune, Anna Helen	Au.	Lincoln
Bettenga, E. P.	Ex.	Valentine
Bevins, Mildred Lorretta	CA 2.	Omaha
Bickert, Etta	SM.	College View
Bickett, Lester Lee	T 1.	Xenia, O.
Bickford, Kate Estella	S.	Lincoln
Bickford, Roy A.	L 2.	Lincoln
Biddlecom, Leonard Skinner	E 3.	Havelock
Bierman, Theodore H.	A 3.	Hastings
Pigelow, Alfred Rufus	CA 1.	Smithfield
Bigelow, Del Jay	SA 2.	Harrison
Bigelow, Lee Franklin	SA 2.	Harrison
Bigelow, Nettie Theo.	SA 2.	Smithfield
Bignell, Vera	SM.	Lincoln
Biles, Edna	T 2.	Pender
Biles, Ethel	SM.	Pender
Biles, Jessie	T 3.	Pender
Bills, Breta	A 3.	Lincoln
Binder, Frederick	M 3.	Omaha
Bing, Ferd.	SM.	Lincoln
Birge, Alice M.	CA 3.	North Platte
Birkby, Maude	A 2.	Nebraska City
Birkner, Alma Catherine	A 3.	Lincoln
Birkner, Gisela Julia	T 2.	Lincoln
Birmingham, Hugh John	A 1.	O'Neill
Bischof, George H. J.	E 3.	Nebraska City
Bishop, Earl Stephen	G.	University Place
Bishop, Harland Dale	E 2.	Superior
Bishop, Loren LeRoy	CA 4.	Superior
Bishop, Nannie May	SM.	Asylum
Bishop, Pauline	SM.	Asylum
Bishop, Roy Marcus	E 1.	University Place
Rixby, Winfred Henry	E 1.	Crete
Black, Harold Alsworth	E 1.	Lincoln
Blackburn, Casper Kimberlin	A 1.	Omaha
Blacker, Francis F.	S.	Aurora
Blackman, James Gerald	CA 1.	Beaver City
Blackstone, George Blanchard	E 2.	Craig
Blaine, Bess B.	SM.	Pawnee City
Blanchard, James Bowers	E 2.	Chadron
Blanchard, LaFayette Randall	A 2.	Chadron
Blanchard, Margaret M.	FA.	Lincoln
Blanchard, William Hewitt	E 4.	Lincoln
Blenkiron, Florence Eleanor	A 2.	Sioux City, Ia.
Blish, Morris Joslin	CA 3, SM.	Omaha
Bliss, Paul Philip	A 1, E 1.	Fairbury
Blodgett, Kittie Flavilla	SA 2.	Beatrice
Blodgett, Rachel Nellie	T 4, S.	Raymond
Blodgett, Reuben Emery	SA 2.	Beatrice
Blomenkamp, August E. H.	A 1.	Hastings
Bloodgood, Louis Abram	SA 1.	Beatrice
Bloom, David William	SAS.	Pender
Bly, Mark Warren	A 2.	Beaver City
Bocken, Herman	M 3.	Omaha
Bockner, Edna	SM.	Lincoln
Bodley, Ralph Ewart	CA 2.	Wahoo
Boggs, Charlotte Rose	SM.	Lincoln
Boggs, Iris Columbia	Au. SM.	Lincoln
Bohannon, Charles Dudley	T 4.	Clay Center
Bollbaugh, Charles Godfrey	E 3.	Holbrook
Bollbaugh, Oral Bevely	A 1.	Holbrook
Bollbaugh, William Robert	L 1.	Holbrook
Bollinger, Hugh J.	A 3, M 1.	Lincoln

Bolton, Fred Samuel.....	SA 2.....	College View
Bolton, Sidney Willard.....	SA 1.....	Creston, Ia.
Bond, Mary Elizabeth.....	S.....	Salt Lake City, Utah
Bong, Esther E.....	SM.....	Havelock
Bonnell, Elizabeth.....	Au, SM.....	Lincoln
Bonnell, Valeria.....	T 1.....	Lincoln
Boomer, George R.....	Ex.....	Burwell
Boostrom, Emil August.....	G, Ss, Ex.....	Stromsburg
Booth, George Matthew.....	SA 1.....	Lodge Pole
Booth, Sanborn Edward.....	SA 3.....	Central City
Bordner, Beulah.....	SM.....	Stanton
Bormann, Frederick Herman.....	SA 3.....	Chalco
Boslaw, Frances Olivia.....	SA 1.....	University Place
Bostrom, Alford.....	SAu.....	Minden
Boswell, Harry Dillman.....	A 4, M 2.....	Lincoln
Bouchal, John Louis.....	L 1.....	Wilber
Bouse, Helen Katherine.....	A 1, SM.....	David City
Bovey, John Royal.....	SA 1.....	Crete
Bowen, O. R.....	Ex.....	Pierce
Bowers, Benjamin Arthur.....	E 2.....	Lincoln
Bowers, Edward T.....	SAu.....	Hastings
Boyce, John Shaw.....	CA 3.....	Lincoln
Boyd, Alfred.....	G.....	Lincoln
Boyers, Bertha.....	SM.....	David City
Boyes, Clarence Clinton.....	A 1.....	Hebron
Boyes, Will Edwin.....	A 2.....	Hebron
Boyles, Dale Skiles.....	L 1.....	Alvo
Boynton, Robert Slathower.....	E 1.....	Adams
Bozarth, Walter Nelson.....	E 4.....	Hebron
Bracken, Stanley.....	E 2.....	Blair
Bradford, Harry Elwyn.....	S.....	Aurora
Brady, Herman Geer.....	Au.....	University Place
Bragg, Mattiene.....	S, Ex.....	Alma
Brain, John Bell.....	L 2.....	Omaha
Brainard, Willis Nathaniel.....	SA 2.....	Normal
Branson, Libbie Atlanta.....	Au.....	Lexington
Brandt, Rosana.....	SM.....	Beatrice
Brase, Frank.....	SM.....	Grand Island
Bratney, Elgin Floyd.....	E 2.....	Hastings
Bratton, Lester George.....	E 3.....	South Omaha
Bray, Anna Verne.....	S.....	Lincoln
Breen, Leo Joseph.....	E 1.....	Omaha
Breese, Mabelle Olive.....	A 2.....	Lincoln
Breese, Winfield Starr.....	E 1.....	Lincoln
Brenizer, Bessie May.....	T 4.....	Bennet
Brenneman, Alberta.....	Ex.....	York
Brethouwer, Berend John.....	G.....	University Place
Brewster, Bertha Wandell.....	SM.....	Lincoln
Brewster, Willard.....	SM.....	Lincoln
Bridenbaugh, Nell.....	G.....	Lincoln
Bridges, Mabel Luella.....	Au.....	Sterling
Briggs, Arch Lee.....	E 3.....	Oconto
Briggs, Crete Cayula.....	T 3.....	Plattsmouth
Brigham, Edgar R.....	A 1, S.....	College View
Brigham, Homer Ashton.....	SAs.....	Osceola
Brinckerhoff, Gilbert Earnest.....	SA 2.....	Cuba
Brininger, Fay Carrie.....	A 1.....	Lincoln
Brinton, Ellwood Holmes.....	SA 1.....	Lincoln
Bristol, Louise Bertha.....	S.....	Waco
Brock, Florence M.....	Ex.....	Ravenna
Brodahl, Oscar Nelson.....	S.....	Ashland
Brodboll, Susan Marea.....	SM.....	University Place
Brodecky, Emil Jerry.....	SAs.....	Lincoln
Broderson, Alta.....	SM.....	Lincoln

Brodrick, Carl Alexander.....	CA 4.....	Fairfield
Brodrick, Hattie Mabel.....	T 1.....	College View
Broening, Marie.....	SM.....	Lincoln
Brookman, Clarence Marvin.....	Mu.....	Lincoln
Brooks, William Francis.....	S.....	Lincoln
Brooks, W. G.....	Ss, Ex.....	Caldwell, Idaho
Brother, George Howard.....	A 1.....	Beatrice
Brothers, Stanley Shranek.....	SM.....	Havelock
Brown, Andrew Dobbie.....	A 3, M 2, S.....	Lincoln
Brown, Benjamin Alonzo.....	L 2.....	Lincoln
Brown, Benjamin Franklin.....	SA 2.....	Chappell
Brown, Clinton Mahlon, Jr.....	A 4.....	Cambridge
Brown, Corol Edwin.....	Mu.....	Lincoln
Brown, Edna.....	SM.....	Lincoln
Brown, Ethel.....	T 2.....	Western
Brown, Glenn.....	SM.....	Lincoln
Brown, Frank Ross.....	A 1.....	Miller
Brown, Grace Ida.....	T 2, SM.....	Elba
Brown, Inez Harriet.....	S.....	Sargent
Brown, James Lawrence.....	L 2.....	Nebraska City
Brown, Joseph Edwin.....	E 2.....	Rushville
Brown, June.....	A 2, SM.....	Kearney
Brown, Laura Ada Sophronia.....	Tu.....	Osceola
Brown, Lucile.....	A 2, SM.....	Kearney
Brown, Mabel Roberta.....	A 2.....	Sutton
Brown, Mary Anne.....	Au.....	University Place
Brown, May Aurilla.....	S.....	Shelby, Ia.
Brown, Mary Ellen.....	CAu, S.....	Fremont
Brown, Minnie Glade.....	SM.....	Lincoln
Brown, Richard James.....	P 1.....	Scottsbluff
Brownell, Ramsford Ormond.....	Ss.....	Schuyler
Brownell, Roy Almond.....	E 2.....	Omaha
Bruff, James Richard.....	CA 1.....	Atlantic, Ia.
Brugger, Mathilde Elizabeth.....	T 4.....	Columbus
Bruner, Helen Marcia.....	A 2.....	Lincoln
Bryan, Bertha Lulu.....	SM.....	Lincoln
Bryan, Edna Elizabeth.....	T 4.....	Lincoln
Bryan, Grace Dexter.....	SM.....	Fairview
Bryan, Mary.....	SM.....	Lincoln
Bryan, Robert Raymond.....	S.....	New Wilmington, Pa.
Buchanan, Charles Coe.....	A 1.....	Omaha
Buchanan, Elmer Ross.....	SA 1.....	Syracuse
Buchanan, Roy John Callaway.....	SA 1.....	Syracuse
Bucher, Minnie.....	A 1, FA.....	Columbus
Buck, Samuel Rea.....	L 1.....	Superior
Buckles, E. S. J.....	Ex.....	Havelock
Buckner, Arthur Warner.....	A 2, S.....	University Place
Buddenberg, Elfrida Constance.....	A 4.....	Lincoln
Buehler, Blanche.....	Au, SM.....	Alma
Buffington, Florence Fern.....	A 1.....	Fremont
Bull, Christian Bernhard.....	SA 3.....	Elkhorn
Buller, Jacob P.....	A 1.....	Henderson
Bullock, Flora.....	SM.....	Lincoln
Bullock, Theodore Tunison.....	A 3, S.....	Lincoln
Bumstead, Carl Arthur.....	Mo.....	Lincoln
Bunce, Grace.....	G.....	Lincoln
Bunger, Earl Armour.....	SA 2.....	College View
Bunting, Archer Maury.....	L 3.....	Lincoln
Burd, George.....	M 4.....	Omaha
Burd, Paul Albert.....	E 1.....	Randolph
Burch, Harold Hiram.....	SA 2.....	Yander, Wyo.
Burdie, Lloyd Dejos.....	A 2.....	Herman
Burdick, Burton Albert.....	G, S.....	University Place
Burge, Etell May.....	S.....	Ulysses

Burke, Ellena.....	SM.....	Lincoln
Burke, Frank Charles.....	L 2.....	Lincoln
Burke, Joseph Patrick.....	E 3.....	Lincoln
Burke Marguerette Rose.....	G, FA, S.....	Lincoln
Burket, Earl Haskell.....	CA 1.....	Omaha
Burket, Ethel.....	SM.....	Lincoln
Burkey, Levi Melville.....	L 3.....	Lincoln
Burkholder, C. K.....	Ss.....	Waterloo
Burky, Katherine.....	SM.....	Ulysses
Burleigh, William Henry.....	E 4.....	Fairbury
Burn, Robert Raymond.....	CA 1.....	St. Edward
Burnham, Frank Asabel.....	M 3.....	Omaha
Burnham, Zelotus E.....	S.....	Du Bois
Burns, Abbie Cornelia.....	G.....	University Place
Burns, Hiram Delaney.....	A 2.....	Omaha
Burns, Lillian Isabel.....	S.....	Wilsonville
Burr, Alfred Ernest.....	L 3.....	Lincoln
Burr, Grace.....	SM.....	Adair, Ia
Burrage, Dwight Grafton.....	G.....	Crete
Burris, Roselle Otis.....	A 4, L 1.....	Upper Alton, Ill.
Burritt, Ben Harvey.....	L 1, Ex.....	Ainsworth
Burritt, Elizabeth.....	S.....	Ainsworth
Burritt, Esther Mosher.....	T 3.....	Lincoln
Burritt, Grace Helen.....	T 2.....	Lincoln
Burroughs, Albert Lash.....	SAs.....	Fillee
Burrows, Margaret.....	Au.....	Lincoln
Burt, Eva Mae.....	SM.....	Lincoln
Burtis, Harry James.....	A 1.....	Lincoln
Burtis, Lula.....	SM.....	Lawrence, Kans.
Burwell, James Haver.....	S.....	Lincoln
Busch, Henry Christian.....	SA 2.....	St. Libory
Busch, Lloyd Albert.....	SA 3.....	Orleans
Bushnell, Charlotte Matilda.....	A 4.....	Lincoln
Bushnell, George.....	SM.....	Lincoln
Bushnell, John D.....	A 1.....	Lincoln
Bushnell, Ora Edna.....	A 4.....	Lincoln
Busk, Myrtle Elizabeth.....	S.....	Omaha
Busteed, Gertrude.....	SM.....	Buffalo Gap, S. D.
Butler, Helen Condon.....	A 1, FA.....	Lincoln
Butler, Margaret M.....	SM.....	Norfolk
Butler, Stella G.....	SM.....	Arion, Ia.
Butler, Stella Genevieve.....	Au.....	South Omaha
Butterbaugh, William Sherman.....	G.....	College View
Buxton, Walter Henry.....	A 4.....	College View
Byers, Margaret Eleanor.....	Au.....	Lincoln
Byers, M. V.....	SAu.....	Osceola
Byerts, William Edward.....	E 4.....	Lincoln
Cacy, James Stewart.....	SA 3.....	Albion
Cain, Harry Neal.....	E 3.....	Falls City
Caldwell, Addie Rosina.....	T 1.....	Central City
Caldwell, Evelyn.....	FA.....	Lincoln
Caldwell, Katharine Margaret.....	T 3.....	Central City
Calhoun, Irma Irene.....	T 3.....	Ashland
Calkins, Georgia.....	S.....	Lincoln
Callanan, Artha.....	SM.....	Lincoln
Cameron, Donald Caleb.....	E 2.....	North Platte
Cameron, Janet Gray.....	T 3.....	Lincoln
Cameron, Mary Helen.....	T 1.....	Lincoln
Camp, Ray Herbert.....	CA 1.....	Republican City
Campbell, Arthur Webster.....	SA 1.....	Bethany
Campbell, Charles William.....	L 3.....	Fullerton
Campbell, Elsie Marguerite.....	Au, SM.....	McCook
Campbell, Frank Clark.....	E 1.....	Milestone, Sask., Can.
Campbell, Helen Margaret.....	T 1.....	Hamburg, Ia.

Campbell, Jean.....	A 1, S.....	Georgetown
Campbell, J. K.....	Ex.....	Wymore
Campbell, Robert Erle.....	E 4.....	Omaha
Campbell, Russell Eugene.....	SA 3.....	Harbine
Campion, Margaret Isabel.....	Au.....	Lincoln
Canaday, Floy Mildred.....	T 1, S.....	Weeping Water
Candy, Charles Mitchell.....	E 1.....	Lincoln
Cannell, Ellen Elizabeth.....	T 4.....	Lincoln
Cannell, Jennie.....	A 1.....	Lincoln
Cannell, Katherine.....	A 1.....	Lincoln
Cannell, Paul John.....	E 1.....	Lincoln
Canom, Claire.....	SM.....	Lincoln
Capwell, Joseph.....	Ex.....	Elmwood
Carbuhn, Harry.....	SM.....	Walnut, Ia.
Carey, Charles Lyle.....	E 2.....	Bancroft
Carlisle, Flagg Perry.....	L 1.....	Fort Pierre, S. D.
Carlson, Adolph Simon.....	A 2.....	Oakland
Carlson, Carl Emmanuel.....	CA 1.....	Minden
Carlson, Frank Emanuel.....	A 1.....	Lincoln
Carmichael, A. W.....	SAu.....	DeWitt
Carmichael, Homer Samuel.....	A 1.....	Lincoln
Carnes, Lulu.....	SM.....	Greenwood
Carns, Helen Mitchell.....	A 1.....	Lincoln
Carpenter, Blanche Etta.....	T 1.....	Lincoln
Carpenter, Felix Stephen.....	CA 1.....	Poole
Carpenter, Paul Revere.....	CA 3, SM.....	Seldon
Carpenter, Ray Wilford.....	SA 2.....	Fontanelle
Carr, Allen Earl.....	A 1.....	Lincoln
Carr, Ivan Nichell.....	A 1.....	Lincoln
Carraher, Helen.....	SM.....	Madison
Carrier, Sam Crowe.....	E 1.....	Omaha
Carriker, Marie King.....	T 4.....	Nebraska City
Carrington, Mabel Susan.....	SAu.....	University Place
Carroll, Robert McKay.....	E 3.....	Fremont
Carroll, Wayne Tom.....	E 2, Au.....	Gothenburg
Carse, Earle Russell.....	A 1.....	Council Bluffs, Ia.
Carson, Harry Raymond.....	M 4.....	Omaha
Carson, Jennie.....	Ex.....	Lyons
Carter, Marie.....	SM.....	Lincoln
Carey, Horace Jackson.....	E 4.....	Kearney
Cast, Pauline.....	SM.....	Lincoln
Castor, Nellie West.....	Ex.....	Red Cloud
Cathcart, Ethel.....	SM.....	Funk
Cather, Elsie Margaret.....	A 2.....	Red Cloud
Cathey, Cameron.....	E 1.....	Weeping Water
Cattle, Robert Turner.....	L 2.....	Seward
Cave, Nell.....	SM.....	Manhattan, Kans.
Cejka, Rose Henrietta.....	SA 2.....	Valparaiso
Chaffin, Nettie.....	A 2.....	Lincoln
Chaikin, Annis Sarah.....	G.....	Omaha
Chain, A. B.....	Ex.....	Ideal, S. D.
Challis, Mary A.....	A 2.....	Lincoln
Challis, Rae.....	SM.....	Westmoreland, Kans.
Chalmers, Clinton Harvey.....	E 4.....	North Bend
Chaloupka, Amalie.....	SM.....	Wilber
Chaloupka, Leonard.....	L 1.....	Wilber
Chaloupka, William.....	E 4.....	Wilber
Chamberlain, Samuel Glenn.....	E 1.....	Beatrice
Chambers, Alice Orintha.....	T 2.....	West Point
Chambers, Bernice Maude.....	SM.....	Lincoln
Chambers, Bessie Fayette.....	SM.....	Lincoln
Chambers, Ethel Lulu.....	T 1, A 1.....	Arapahoe
Chambers, Frank Ernest.....	T 2.....	West Point
Chambers, John Edward Summers.....	CA 1, A 1.....	Omaha

DIRECTORY OF STUDENTS

405

Chamelka, Ferdinand.....	SM.....	Valparaiso
Chapin, Helen Daires.....	SM.....	Lincoln
Chapin, Mary Leonard.....	A 1, FA, SM.....	Lincoln
Chapline, William Ridgely.....	CA 1.....	Lincoln
Chappell, Cleo R.....	Ss.....	Brady
Chappell, Ione.....	Ss.....	Norfolk
Charlton, Albert Tutton.....	S.....	Chicago, Ill.
Chase, Carl Fred.....	CA 4.....	Pawnee City
Chase, Floyd Josiah.....	A 1.....	Pawnee City
Chase, Helen Marguerite.....	Au, SM.....	Lincoln
Chatburn, Frances Mary.....	A 2.....	Lincoln
Chauner, Walter Frank.....	E 3.....	Osceola
Cheney, Ada Frances.....	S.....	Wahoo
Cherrington, Ben Mark.....	A 3.....	Omaha
Cherry, Charles LeRoy.....	S, Ss.....	University Place
Cherry, Mrs. Charles LeRoy.....	Ss.....	Stromsburg
Cherry, Edward LeGrande.....	Ss.....	Oakland
Cherry, Jessie.....	FA.....	Lincoln
Chmellr, Matilda Nina.....	Au.....	Crete
Chowins, Charles Martin.....	E 2.....	Lincoln
Chowins, Harold Stanley.....	E 1.....	Lincoln
Chowins, Hilda Elizabeth.....	SM.....	Lincoln
Choyce, Edith M.....	Ex.....	Decatur
Christmas, John Alexander.....	L 1.....	Kemmerer, Wyo.
Christie, Ralph Conklin.....	M, <i>cum laude</i>	Omaha
Cinberg, Lillian.....	SM.....	Lincoln
Cizek, Mary Phoebe.....	SA 2.....	Prague
Claassen, John Jansen.....	SA 3.....	Beatrice
Clancy, Phillip Windsor.....	E 3.....	Beatrice
Clark, Clarence Leon.....	A 2.....	Lincoln
Clark, Ethel Cecelia.....	Au.....	Lincoln
Clark, Fay Wye.....	CA 1, FA.....	Arapahoe
Clark, Flo.....	SA 2.....	Fairbury
Clark, Frank Gibson.....	A 1.....	Cheyenne, Wyo.
Clark, Frank Jones.....	A 2.....	Wahoo
Clark, Grace Maria.....	G.....	Lincoln
Clark, Hazel Theodora.....	A 2.....	Lincoln
Clark, James Irving.....	A 2.....	St. Edward
Clark, I. N.....	Ex.....	Weeping Water
Clark, Jessie Isabel.....	Au.....	Lincoln
Clark, Mary Charlotte.....	S.....	Jackson
Clark, Maude Spencer.....	A 1, SM.....	Lincoln
Clark, Oscar Bird.....	L 3.....	Lincoln
Clark, R. B.....	Ex.....	Homer
Clark, Ruby Geneva.....	A 4, SM.....	Lincoln
Clark, Shiles Ernest.....	Ss, Ex.....	Hebron
Clarke, Jesse Maynard.....	E 4.....	South Omaha
Clary, Cora Ellen.....	Au.....	Lincoln
Claussen, Christina Mary.....	A 1.....	Beatrice
Clearman, Mona Lois.....	A 3.....	Minden
Cleaver, Vera Genevieve.....	A 2.....	Neligh
Cleland, Margaret.....	Au.....	Lincoln
Clement, Amanda Edith.....	A 3.....	Lincoln
Clement, P. E.....	Ss, Ex.....	North Bend
Cline, Adelbert.....	SM.....	Lincoln
Cline, James Alexander, Jr.....	A 4.....	Lincoln
Cline, Katharine.....	CAu.....	Lincoln
Cline, Lucile.....	SM.....	Lincoln
Cline, William T.....	Ex.....	Fairbury
Clippinger, Edgar.....	Ss, Ex.....	Sutton
Coad, Ralph George.....	A 3.....	Omaha
Coale, Walter Bedell.....	E 3.....	Bennet
Cobb, Cecile Eliza.....	A 2.....	Harlan, Ia.
Cobb, Elliott Cunningham.....	A 4, M 1.....	Harlan, Ia.

Cobb, Marjorie.....	SM.....	Fort Worth, Tex.
Cobb, Norma.....	SM.....	Ariel, Pa.
Cochran, Robert Leeroy.....	E 4.....	Brady
Cochran, Roy.....	S, Ex.....	Lincoln
Codington, Waring Lafayette.....	E 3.....	Auburn
Coffee, Harry Buffington.....	A 1.....	Chadron
Coffman, Ethel Beulah.....	A 2.....	Lincoln
Coffman, Marian W.....	SM.....	Lincoln
Cogil, Annie Minnie Theodosia.....	Au, S.....	Lincoln
Colbert, Fred James.....	A 1.....	Lincoln
Cole, Frank Howard.....	SA 2.....	Loomis
Colebank, L. W.....	Ex.....	Curtis
Coleman, Elena Agnes.....	Au.....	Lincoln
Coleman, Lois.....	T 2.....	Bostwick
Coleman, Ruth E.....	S.....	Bostwick
Coleman, Verna Grace.....	A 2, S.....	Tecumseh
Coleman, William Earl.....	A 4, Ex.....	Bostwick
Coleman, William Henry.....	Ss.....	Ogallala
Collier, Will G.....	E 1.....	Fairbury
Collins, Curtis Crider.....	E 2.....	Laurel, Mont.
Collins, E. E.....	Ex.....	Merriman
Collins, John Gilmore.....	E 2.....	Kearney
Collins, Sidney Morrison.....	L 2.....	Lincoln
Colman, Howard Notson.....	A 1.....	Seward
Colson, Burnell.....	SAs.....	Fremont
Combes, Leota H.....	SM.....	Fairfax, S. D.
Compton, Alice Eliza.....	T 4.....	Lincoln
Compton, Homer Kindall.....	SM.....	Lincoln
Comstock, Edgar DeWitt.....	SA 2.....	Comstock
Conrad, Lucretia Mary.....	S.....	Fullerton
Cone, Bernice.....	S.....	Wahoo
Cone, Helen Henrietta.....	SA 1.....	Lincoln
Cone, Howard Henry.....	SA 3.....	Bethany
Cone, Oscar Romaine.....	A 1.....	Lincoln
Cone, Owen Wendle.....	A 1.....	Lincoln
Conety, Nancy Belle.....	A 1.....	Valley
Conkling, Fannie Riggs.....	T 4.....	Franklin
Conkling, Geneva.....	SM.....	Milford
Conkling, Portia Maia.....	S.....	Lincoln
Conneally, Anna.....	SM.....	Wallace
Conner, Myra.....	A 4, S.....	Lincoln
Conway, Cora Ellen.....	CA 1.....	York
Cook, Bess Harriet.....	Tu.....	Lincoln
Cook, Helen.....	SM.....	Lincoln
Cook, Inez M.....	Au.....	Beaver Crossing
Cook, Mary Elizabeth.....	A 4.....	Beatrice
Cook, Myra May.....	T 4, S.....	College View
Cooke, Archibald Thomas.....	S, Ex.....	Buffalo, Wyo.
Cooley, Grace Irene.....	A 2.....	Hebron
Coon, Gertrude Lorella.....	T 1.....	Red Cloud
Coon, Julius McCowen.....	S.....	Grand Island
Coons, George Herbert.....	G.....	Lincoln
Coplen, Clarence Peter.....	SA 1.....	Guide Rock
Corbin, Edwin Henry.....	P 1.....	Liberty
Carl, Dorsey.....	E 1.....	Grand Island
Cormyn, Vernon.....	SM.....	Lincoln
Cornell, Ethel Edna.....	Tu, SM.....	Lincoln
Cornell, Odyne Omega.....	A 4.....	Weatherford, Okla.
Cornish, Anna V.....	F A.....	Lincoln
Corse, Cornelia Howland.....	A 1.....	Lincoln
Coryell, Clyde Wilford.....	E 2.....	Johnstown
Coryell, Verna Grace.....	T 1.....	Norfolk
Cotner, Samuel Orville.....	L 1.....	Omaha
Cotterman, Leo Kay.....	E 2.....	Albion

Cotton, Harry E.....	E 1.....	Kearney
Cotton, Lucie Ann.....	Au.....	Lincoln
Cottrell, Leon Everett.....	SA 1.....	Normal
Coulter, Harral Wheeler.....	A 3.....	Lincoln
Council, Myrtle.....	T 1.....	Lincoln
Coupe, Henry Ala.....	SA 2.....	Falls City
Coupland, William Cressey.....	SA 1.....	Elgin
Cousins, Pearl.....	Ex.....	Lincoln
Courtage, Ralph Emmons.....	L 1.....	Great Falls, Mont.
Courtright, Lella.....	A 1, SM.....	Beaver City
Covey, George Worthington.....	A 2.....	College View
Cowan, E. S.....	Ex.....	Creighton
Cowan, Lena.....	FA.....	Ashland
Cowles, Bartow Monroe.....	E 1.....	Valley
Cowling, William Shenberger.....	E 1.....	Aurora
Coy, Laurence.....	A 2.....	Valley
Coyne, Douglas Adelbert.....	SA 1.....	Parkston, S. D
Cozier, Harold Robbins.....	S.....	Havelock
Crabtree, James William.....	S.....	Peru
Crago, Alfred.....	Ss, Ex.....	Randolph
Craig, Alice.....	SM.....	Lincoln
Craig, Luella May.....	SM.....	Greenwood
Crancer, Ray Ayotte.....	A 1.....	Lincoln
Crawford, Mary.....	G.....	Kearney
Crawford, Zella.....	SM.....	Rostwick
Creekpaum, Charles Cloyd.....	A 2.....	Lincoln
Creekpaum, Grace Anna.....	S.....	Lincoln
Criswell, Viola Blanche.....	S.....	Tarkio, Mo.
Crocker, George.....	Ss.....	Pawnee City
Croft, Paul Harry.....	SA 1.....	Fairfield
Cromer, George Chalmers.....	SAs.....	Gering
Crossley, Wilma Ruth.....	A 2.....	Kearney
Crowley, Nellie D.....	Ex.....	Lincoln
Crozier, Roy Thomas.....	SAs.....	Guide Rock
Cruikshank, Clara Catherine.....	T 1, SM.....	Lincoln
Cull, Ruth Elizabeth.....	CA 1.....	Oakland
Culley, Jessie Margaret.....	T 3.....	Loup City
Cultra, Carrie Eunice.....	A 1.....	Lincoln
Culver, Frederick D.....	S.....	Milford
Culver, Vere Sanford.....	CA 4.....	Albion
Cuning, Benjamin Harrison.....	E 1.....	Lebanon
Cummings, Emma.....	S.....	Hill City, S. D.
Cummins, Harry Alonzo.....	SA 3.....	Seward
Currie, William.....	Ex.....	Friend
Currier, Edwin Lovejoy.....	CA 2.....	St. Edward
Curry, Earl Raymond.....	A 1.....	Lincoln
Curtis, Hazel Margaret.....	A 2.....	Lead, S. D.
Curtis, Herbert James.....	L 3.....	College View
Curtis, Louise Frances.....	A 1.....	Omaha
Curtis, Randall Fuller.....	A 2.....	Omaha
Curtiss, Russell Franklin.....	A 1.....	Ft. Calhoun
Cusack, Harry Christopher.....	E 3.....	North Bend
Cushman, Amy.....	SM.....	Lincoln
Cutkosky, Ernest V.....	E 1.....	Battle Creek
Cutter, Irving Samuel.....	M 4.....	Omaha
Cutter, Mabel Ellen.....	S.....	Bethany
Dalby, Emma Mary.....	Au, FA.....	Lincoln
Dale, Ernest Edward.....	A 1.....	Greenwood
Dale, Everette Edwin.....	E 2.....	Rushville
Dale, Lora Ina.....	T 1.....	Elgin
Dale, Philip Marshall.....	A 4, M 2, S.....	Greenwood
Dalling, Carl Edwin.....	A 2.....	Lincoln
Dalling, Myrtle Florence.....	S.....	Lincoln
Dally, Rose Marie.....	Au.....	Lincoln

Dalton, Ella Marie.....	Au.....	Lincoln
Dalton, Laura Irene.....	CA 3.....	Lincoln
Daniels, George Augustus.....	CA 2.....	Lincoln
Daniels, Mabel Cassie.....	CA 1.....	Bancroft
Daniels, Mildred Lyon.....	A 1, FA.....	Ord
Danielson, Clara.....	SM.....	University Place
Danielson, Melva Lynch.....	SM.....	Loup City
Danly, Ernest Everett.....	L 2.....	Axtell
Dann, Albert Warren.....	A 4.....	Lincoln
Darrow, Ralph.....	SM.....	New Hampton, Ia
Daugherty, Una Mae.....	SM.....	University Place
Daughters, Britannia R.....	G.....	Lincoln
Dauwalter, Jane.....	S.....	Denton
Davey, Roy William.....	S.....	Lincoln
Davies, Reginald Emmett.....	E 2.....	Utica
Davis, Adelia.....	FA, S.....	Lincoln
Davis, Alma.....	SM.....	Lincoln
Davis, Andrew Harrison.....	SA 2.....	Gordon
Davis, Arthur.....	A 1.....	Lincoln
Davis, Celia Grace.....	T 2.....	Lincoln
Davis, Earl Harrison.....	A 2.....	Lincoln
Davis, Edna Mary.....	SM.....	Lincoln
Davis, Edwin Greene.....	M 2, S.....	Lincoln
Davis, Elliott Regester.....	SA 3.....	Holbrook
Davis, Ellsworth Morris.....	Ss.....	Tobias
Davis, Florence E.....	T 3.....	Lincoln
Davis, George Armor.....	M 2.....	Upland
Davis, Gordon Edward.....	E 4.....	Omaha
Davis, Guy Russell.....	A 2.....	Lincoln
Davis, Helen Bissing.....	A 3.....	Lincoln
Davis, Joseph Raymond.....	SA 2.....	Holbrook
Davis, Kent Preston.....	SA 1.....	Lincoln
Davis, Mabelle Eva.....	T 2, S.....	Humboldt
Davis, Mary Myrle.....	G.....	Lincoln
Davis, Melvin Dwight.....	SA 2.....	Pawnee City
Davis, Ruth Janette.....	A 1.....	Lincoln
Davis, Walter Coats.....	L 1.....	Lincoln
Davis, Walter LeRoy.....	CA 2.....	Lincoln
Davis, Willard Tilden.....	Au, Ex.....	Beaver City
Davison, Royce Clinton.....	SA 3.....	Fairfield
Davison, Willard Alton.....	E 4.....	Fairfield
Dawell, Alma Eda.....	Au.....	Lincoln
Dawson, Everett.....	SM.....	Lincoln
Dawson, Frederic George.....	Au.....	Plattsmouth
Dawson, Ralph Ward.....	A 3.....	Lincoln
Day, Alice Ellen.....	Au, S.....	Lincoln
Day, Elsie.....	P 2.....	Lincoln
Day, Will James.....	SA 3.....	Superior
Dean, Earl.....	E 1.....	York
Dean, Edwin Benjamin.....	L 2.....	Greenwood, Ia.
Decatur, Charles Edward.....	L 3.....	Lincoln
De Cow, John Arthur.....	SAu.....	Holdrege
Deeds, Ellis Earl.....	SAu.....	Stromsburg
Deland, Zora.....	SM.....	Rising City
Delano, Crawford Morton.....	E 2.....	Lincoln
Delano, Faye Olive.....	S.....	Bethany
Delano, Harry Calvin.....	SA 2.....	Arcadia
Delano, Lois Elsie.....	SA 1.....	Arcadia
DeLay, Etta.....	Ex.....	Dixon
Demaray, Warren Gray.....	SA 2.....	Dunning
Deming, Burt Ruby.....	CA 2, S.....	Cortland
Deming, Edna R.....	SM.....	Cortland
Dennis, Waldo Willsey.....	E 1.....	Omaha
Deweese, Alice Towne.....	G, SAu.....	Lincoln

Deweese, Fred Milo.....	CAu, SAu.....	Lincoln
Dewey, Arlie Walter.....	A 1.....	Lincoln
Dewey, Vern B.....	A 1.....	Lincoln
De Wolf, George Elwin.....	T 2.....	Gibson
Dickinson, Frank.....	A 3, S.....	Lincoln
Dickinson, Verle.....	SM.....	Lincoln
Diers, William Henry.....	E 1.....	Gresham
Dill, Elmer.....	A 2.....	Belvidere
Dill, Lucy Annie.....	A 1.....	Grand Island
Dillenbeck, Maude.....	SM.....	Milford
Dillon, Mamie.....	Ex.....	Sioux City, Ia.
Dinklage, George Henry.....	SAs.....	Pender
Dinsmore, Archibald H.....	A 1.....	Lincoln
Dinsmore, Francis Elmer.....	L 1.....	Lincoln
Dinsmore, Helen.....	A 2.....	Lincoln
Dion, May Delima.....	T 4.....	North Bend
Dirks, John Thomas.....	E 4.....	Lincoln
Ditterline, Ezra.....	E 4.....	Lincoln
Dixon, Howard Emerson.....	L 2.....	Blair
Dobbs, Evelyn Edith.....	A 1.....	Beatrice
Dobbs, Stuart Piper.....	L 2.....	Lincoln
Dobry, Charles Wesley.....	L 2.....	St. Paul
Dobson, Arthur Allan.....	E 3.....	Lincoln
Dobson, Ellen Martha.....	A 2.....	Lincoln
Dobson, John D.....	SA 2.....	Primrose
Dobson, Mark Howard.....	A 3.....	Lincoln
Dohner, Florence Lyman.....	T 3, S.....	Lincoln
Dolansky, Vlasta Bessie.....	Au.....	Lincoln
Doll, George Alfense.....	L 3.....	Lena, Ill.
Dolman, Adaboath.....	A 1, SM.....	Lincoln
Domingo, George M.....	SA 2.....	Weeping Water
Donato, Anthony Z.....	L 1.....	Lincoln
Donelson, William Raymond.....	SAs.....	Stromsburg
Donlen, Daniel Ray.....	E 2.....	Ponca
Doran, Sarah Mabel.....	SM.....	York
Douglas, Lynn Hutchison.....	CA 3.....	Lincoln
Dovey, Claire Jane.....	G.....	Plattsmouth
Dovey, Edward Grovenor.....	A 1.....	Plattsmouth
Downes, Iona.....	Ex.....	Laramie, Wyo.
Downey, Ella Frances.....	CA 2.....	Lincoln
Downing, Bertha.....	Ex.....	Beaver City
Downing, Willard Ross.....	SA 2.....	Bea
Doyle, Faye Louise.....	CA 1.....	Lincoln
Doyle, Kathleen Remine.....	A 4.....	Lincoln
Doyle, Louis Niven.....	T 3, S.....	Lincoln
Doyle, Mildred.....	SM.....	Lincoln
Doyle, Otho Henry.....	A 1.....	Lincoln
Doyle, Thomas John.....	A 1.....	Lincoln
Drake, Bessie Hazel.....	A 1.....	Beatrice
Drake, Helen Mar.....	A 1, SM.....	Beatrice
Drake, Hugh Henderson.....	A 3.....	Humphrey
Drake, Nellie Boyd.....	A 3.....	Broken Bow
Drake, Nettie.....	A 2, FA, SM.....	Humphrey
Drake, Robert James.....	T1.....	Lincoln
Draper, Ona Bell.....	A 1, SM.....	Adams
Drasky, J. J.....	SAu.....	Crete
Drath, Bertha Marie.....	T 1.....	Oberlin, Kans.
Drath, Carl Edward.....	A 1.....	Lincoln
Drebert, Eleanor.....	SM.....	Lincoln
Dress, Henry Edwin.....	L 3.....	Woodville
Driver, Lida M.....	SM.....	Hill City, S. D.
Duboff, Harry.....	SM.....	Lincoln
Duey, Clarence Martin.....	SA 1.....	Chester
Duff, Daniel Robert.....	SA 2.....	Pierce

Dufur, Fae Jessie.....	T 3.....	Lincoln
Dugdale, Allison Harold.....	M 1.....	Lincoln
Duhrkop, Gustav.....	SM.....	Emerald
Duncan, Lloyd.....	SM.....	Lincoln
Duncan, Ray Alexander.....	E 1.....	Lead, S. D.
Dunham, Frances Aileen.....	A 2.....	Seward
Dunlavy, Creta.....	CAu.....	Bloomington
Dunlavy, Vernon Atwell.....	A 4.....	Bloomington
Dunn, Ethel Mamie.....	A 1, FA.....	Osceola
Dunn, Mabel.....	S.....	Lincoln
Durbin, Florence.....	S.....	Lincoln
Durkee, George Willie.....	SA 1.....	Orchard
Dutton, Florence.....	A 1.....	Hastings
Dutton, Frank Arthur.....	L 3, S.....	Lincoln
Dye, Florence.....	A 4.....	Lincoln
Dye, Ira Willard.....	E 4.....	Lincoln
Dye, Joseph Merl.....	A 1.....	Carson, Ia.
Dygart, Iva Florence.....	S.....	Beaver Crossing
Dysart, Thomas Fred.....	SA 3.....	Eagle
Eads, Lucile Blanche.....	T 2.....	Lincoln
Easom, Mary.....	Ex.....	North Bend
East, Anna Merritt.....	A 2.....	Fremont
East, Arthur Milton.....	A 1.....	Fremont
Eaton, Clayton Harold.....	A 4.....	Lincoln
Eaton, R. W.....	Ex.....	Geneva
Eaton, William Dorman.....	S.....	Benkelman
Ebbitt, Richard.....	SAu.....	Grand Island
Eberly, Walter Kirby.....	CA 2.....	Lincoln
Ebersole, Carterette.....	S.....	Superior
Ebert, Joseph Francis.....	A 4, L 1.....	Lincoln
Ebneyer, Elsie Dorothy.....	A 1.....	Lincoln
Eckert, Edna.....	Ex.....	West Point
Eckerd, Ethel Grace.....	SM.....	Beatrice
Eddleman, Minnie Leora.....	S.....	Lincoln
Eddy, George Turner.....	A 1.....	Fremont
Edgar, Park Lowell.....	E 2.....	Scottsbluff
Edgecombe, Tyler Mengel.....	CA 3.....	Geneva
Edgren, Verna.....	S.....	Lincoln
Edleman, Hazel.....	S.....	Lincoln
Edwards, Ellis Lincoln.....	G.....	Lincoln
Edwards, George Wilbert.....	Eu.....	Lincoln
Egan, John Joseph.....	E 1.....	Nebraska City
Egen, Thekla Wilhemine.....	T 2.....	Omaha
Ehlers, Anna E.....	Ex.....	York
Eichar, Winnifred Angela.....	Au.....	Ainsworth
Eiche, Dee.....	Au.....	Lincoln
Eichman, Hazel.....	SM.....	Collinsville, Ill.
Ellersick, Katie.....	Ex.....	Comstock
Ellersick, Lena.....	Ex.....	Comstock
Elley, Harold Walter.....	A 2.....	Madison
Ellicott, Letitia.....	Ex.....	Fort Robinson
Ellinger, Carl.....	S.....	Lincoln
Elliott, Anna Mary.....	S.....	Lincoln
Elliott, Charles M.....	SAu.....	Humboldt
Elliott, Clyde Ernest.....	L 1.....	Central City
Elliott, Earl Benton.....	L 2.....	Hartington
Elliott, John Stewart.....	M 2.....	Beatrice
Elliott, Ollie Pearl.....	S.....	University Place
Elliott, Robert Irving.....	Ex.....	Broken Bow
Ellis, James William.....	A 2.....	Lincoln
Ellis, Lucile.....	SM.....	Lexington
Ellis, Milton Irving.....	S.....	Coleridge
Ellison, Arthur Maxwell.....	SA 2.....	University Place
Ellyson, George Allen.....	SAs.....	Newcastle

Elmore, Winfield.....	SM.....	Lincoln
Elmore, Wilber Theodore.....	G.....	Lincoln
Elquest, Reuben Emley.....	SAs.....	Mitchell
Elseffer, Vincent Bartling.....	E 2.....	Grand Island
Elson, Irving Mead.....	A 1, SM.....	Omaha
Elwell, John Alois.....	CAu.....	Springfield
Ely, Thomas Judson.....	CA 1.....	Slater, Mo.
Emerson, Rollins Adams.....	G.....	Lincoln
Emery, Calvin Andrew.....	L 1.....	Lincoln
Emery, Margaret Annabelle.....	A 1.....	Lincoln
Emley, Alban Maurice.....	A 1, SM.....	Wisner
Emmett, Roland Finch.....	E 1.....	Lincoln
Emry, Ralph Eton.....	Au.....	Boelus
Engdahl, Alfreda.....	SM.....	Wausa
Engel, Carl C.....	SM.....	College View
Engen, Mrs. G. A.....	S.....	Lincoln
English, Horace Bidwell.....	A 1.....	Lincoln
Ensey, Grace Virginia.....	SM.....	Lincoln
Erfman, Ruth.....	Ex.....	Hildreth
Erickson, Charles.....	E 2.....	Axtell
Erickson, Clara Almada.....	T 3.....	Oakland
Erickson, David Leonard.....	E 3.....	Lincoln
Erickson, Gustav.....	Au.....	Lincoln
Erickson, John Erick.....	SA 2.....	Funk
Erickson, Leonard William.....	E 3.....	Stromsburg
Ericson, Melvin.....	E 1.....	Stromsburg
Ericson, Reuben.....	SA 2.....	Stromsburg
Ernsberger, Iva Belle.....	G.....	Norwalk, Ohio
Ernst, Conrad Walter.....	SAu.....	Omaha
Ernstmeyer, John Fred., Jr.....	SAs.....	Grand Island
Erskine, Earl Bradley.....	A 1.....	Tilden
Erskine, Lowell C.....	A 1.....	Norfolk
Ervin, James Robertson.....	A 1.....	Lincoln
Estabrook, Ray LeRoy.....	Au, SM.....	Norfolk
Evans, B. D.....	Ss.....	Louisville
Evans, Camille.....	Ex.....	David City
Evans, Carroll Dandola, Jr.....	A 1.....	Columbus
Evans, Catharine.....	SM.....	Lincoln
Evans, Clark Bentley.....	L 2.....	Wisner
Evans, James North.....	A 1.....	Columbus
Evans, Iva L.....	SM.....	Robert
Evans, Maude Asenath.....	SM, S.....	Thornburg
Evans, Myrle Charles.....	E 1.....	Stella
Evans, Paul Whiting.....	S, Ss.....	Lincoln
Evans, Rachel Nell.....	A 1.....	Columbus
Ewart, Edna Flora.....	CAu.....	Wahoo
Ewing, Halle Laura.....	G, S.....	Lincoln
Ewing, Harry Walter.....	L 3.....	Lincoln
Fair, Helen M.....	A 1.....	Hardy
Fairbanks, Ethel.....	Au.....	Clarion, Ia.
Fairchild, Mary Elinor.....	A 1.....	Lincoln
Fairchild, Rain Berry.....	E 1.....	Orleans
Fall, Hazel Helen.....	A 2, SM.....	Beatrice
Farley, Fayso Florence.....	T 3.....	Lincoln
Farley, Fletcher Lawrence.....	L 1.....	Bancroft
Farley, William John.....	A 2.....	Aurora
Farrell, Annie Patience.....	Au.....	Inland
Farwell, Verner John.....	SAs.....	Du Bois
Faus, Mabel Jeannette.....	T 4.....	Onawa, Ia.
Fausch, Henry Robert.....	SA 3.....	Guide Rock
Fawcett, Ruth Ione.....	S.....	Lodge Pole
Fawthrop, Grace Ethel.....	A 2.....	Lincoln
Fee, Mary Lavinia.....	S.....	Lincoln
Feemster, Howard Calvin.....	G.....	York

Fehlman, Clinton Earl.....	A 3.....	Beemer
Fehner, Alma.....	SM.....	Seward
Fenlon, Edana Lewine.....	SM, Ex.....	David City
Fenner, Chancy Fay.....	SAS.....	Merna
Ferguson, Rilla Troyer.....	CAu.....	Lincoln
Ferguson, Robert Likes.....	A 2.....	Lincoln
Fiala, Anton Bedrich.....	SA 3.....	Howells
Field, Georgia Baldwin.....	G, FA.....	Lincoln
Field, John Wesley.....	A 1.....	College View
Field, Kate.....	CA 3, S.....	Lincoln
Fielding, Fred Hebbard.....	A 1.....	Lincoln
Fifer, Flora.....	G, S.....	University Place
Fike, Charles Crane.....	A 1, SM.....	Lincoln
Files, Ellery Knapton.....	G.....	University Place
Filley, Horace Clyde.....	G.....	Beatrice
Fillipi, Theodore.....	A 3.....	Clarkson
Finch, Clara.....	Tu.....	Lincoln
Finigan, Mary Agnes.....	S.....	Havelock
Finke, Hermann Conrad.....	E 1.....	Overton
Finnegan, Loretto.....	SM.....	Havelock
Fishback, Ethel Grace.....	SA 2.....	Beatrice
Fisher, Carl Leroy.....	A 2.....	Beatrice
Fisher, Edith Jane.....	A 3.....	Omaha
Fisher, Flora Frances.....	S.....	Hastings
Fishwood, Halley Mennen.....	E 1.....	Lincoln
Fiske, Harold LaSelle.....	E 4.....	Beatrice
Fiske, Helen Marie.....	Au, SM.....	Lincoln
Fitch, Arthur DeWitt.....	SA 3.....	Atlanta
Fitch, Robin Wynne.....	A 1.....	University Place
FitzGerald, Elsie.....	A 1, FA.....	Lincoln
Fitzgerald, Zora Elizabeth.....	A 2, SM.....	Omaha
Fitzsimmons, Clinton B.....	A 1.....	Scotia
Flack, George Clayton.....	Au, SAu.....	Omaha
Flake, W. E.....	Ex.....	Ainsworth
Flagler, Franklin.....	SM.....	Lincoln
Flaiz, Walter Collins.....	L 1, Au.....	College View
Flansburg, Claude Wilkinson.....	A 2.....	Lincoln
Fleming, Minnie Agnes.....	Au, Ex.....	Aurora
Fleming, William.....	A 3.....	Sutton
Flock, Frances Maude.....	T 1.....	Blair
Flodeen, Elva Victoria.....	Au.....	Wahoo
Flory, Harry Ferris.....	E 1.....	Geneva
Flory, Paul Jones.....	A 1, SM.....	Pawnee City
Flower, Lorenzo Frederick.....	E 3, S.....	Minatare
Fluent, Floyd C.....	L 1.....	Butte, Mont.
Flynn, Jessamine.....	SM, Au.....	Lincoln
Fodrea, Genervieve Marie.....	SM.....	Lincoln
Fogelson, Dorothy.....	SM.....	Lincoln
Fogelson, Tillie.....	SM.....	Lincoln
Follmer, Katherine.....	T 4.....	Oak
Folsom, Arnett.....	SM.....	Lincoln
Folsom, Donald.....	A 2.....	Lincoln
Folts, Grace Abbott.....	G.....	Kearney
Foot, Paul Darwin.....	G.....	Jefferson, O.
Forbes, J. Richard.....	A 1.....	Wayne
Forbes, May Belle.....	SM.....	Lander, Wyo.
Forbes, Will Pense.....	CA 2.....	Wayne
Forburger, John Casper.....	SA 3.....	Lincoln
Forburger, Lena Marie.....	SA 3.....	Lincoln
Ford, Cyrus Grant Emerald.....	SA 3.....	Oakland
Ford, Edna Euphemia.....	SA 1.....	Oakland
Ford, Herbert.....	A 3.....	Humboldt
Ford, Richard Judson.....	SA 2.....	Oakland
Ford, Ralph Lorenzo.....	E 2.....	Lexington

Fordyce, Glen Gray.....	A 4.....	Lincoln
von Forell, Ira George.....	A 4, Mu.....	Chester
Forman, Mayme.....	S.....	Malvern, Ia.
Forman, William Olivet.....	E 3.....	Lincoln
Forrest, Edith Almada.....	A 4.....	Pender
Forrest, Maude.....	SM.....	Lincoln
Forrest, Owen Grant.....	SM.....	Lexington
Forsyth, Evald M.....	L 1.....	Lincoln
Fossler, Lois Beatrice.....	T 4, A 4.....	Lincoln
Fossler, Shirley Allen.....	A 1.....	Lincoln
Foster, Fred Charles.....	Au.....	Lincoln
Foster, George Nimmons.....	A 4, L 2.....	Sterling
Foster, Hazel Lois.....	T 2.....	Lincoln
Foster, Richard Joseph.....	E 3.....	Lincoln
Foster, Thomas Andrew.....	E 2.....	Lincoln
Fox, Lena.....	SM.....	David City
Foxworthy, Vesta May.....	SM.....	Lincoln
Fowler, Edgar Chellis.....	SA 2.....	Cheyenne, Wyo.
Fowler, Marie Belle.....	SAu.....	Lincoln
Fraley, Ethel.....	SM.....	Lincoln
Franstead, Matilda.....	Au.....	Lincoln
Francis, Bessie Bruce.....	Au.....	Lincoln
Francis, Frances Edith.....	T 2.....	Lincoln
Francis, John Arthur.....	E 3, S.....	Lincoln
Francis, Raymond J.....	SA 3.....	Gibbon
Frank, Lorenzo William.....	M 3.....	Omaha
Frank, Owen Ashcroft.....	A 2.....	Grand Island
Frank, William Ernest.....	A 1.....	Grand Island
Franklin, Irma May.....	A 4, T 4.....	Aurora
Franklin, Mabel L.....	SM.....	Hebron
Franklin, Phillip Leslie.....	A 1.....	Cambridge
Frantz, Martin Earl.....	SAs.....	Holmesville
Frederick, Karl Phillip.....	A 3, FA.....	Sutton
Frederickson, Oscar Fred.....	SA 3.....	Lincoln
Freiden, Benjamin W.....	Au.....	Osmond
Freitag, Albert.....	E 2.....	Grand Island
Freitag, Heinz Joseph.....	L 3.....	South Omaha
French, Gerald Walton.....	E 4.....	Fremont
French, Mary Francelia.....	SM.....	Lincoln
Frey, Olive.....	SM.....	Lincoln
Fricke, Edwin Adolph.....	P 2.....	Plattsmouth
Frickey, Lillian Edna.....	Au.....	York
Fridrich, Clarence R.....	SAs.....	Tyndall, S. D.
Friedline, Cora Louisa.....	A 1.....	Lincoln
Friend, Victor Emmanuel.....	E 2.....	Lincoln
Fritts, Mabel Agnes.....	Au, SM.....	Lincoln
Fritzlen, Laveida.....	SM.....	Lincoln
Frost, Ernest Ellsworth.....	E 1.....	Julian
Frost, Everett Starr.....	A 2.....	Lincoln
Frost, Hubert Melvin.....	A 1.....	Hooper
Frost, Roland Meredith.....	A 1.....	Lincoln
Frum, Mary Alice.....	T 4.....	Lincoln
Fry, Alice.....	A 1, SM.....	Omaha
Fry, Annie Clarissa.....	A 3.....	Omaha
Fuchs, Gustave Otto.....	T 2.....	Stanton
Fujan, Charlie Frank.....	SAs.....	Prague
Fullaway, Samuel Vanstone, Jr.....	CA1.....	Omaha
Fulmer, Clark Adelbert.....	G.....	University Place
Fulk, Joseph Richard.....	Ss, Ex.....	Seward
Fulmer, Hubert Clinton.....	SAs.....	Belvidere
Fulton, Edna Inez.....	S.....	Lincoln
Punk, Ella.....	SM.....	Lexington
Funke, Minnie Marguerite.....	T 3.....	Blue Hill
Funkhouser, Robert Oliver.....	A 1.....	Lincoln

Purse, Gladys	SM	Lincoln
Gable, Charles Hugh	A 4	Lincoln
Gaeckler, Harry Binns	SA 1	Lincoln
Gaeckler, Maude Hazel	A 3	Lincoln
Gage, Albert Edward	E 1	Fairbury
Gage, Ralph Harold	S	Fremont
Gage, Vernon Lasch	SA 2	Fairbury
Gage, Wendell James	SA 1	Fairbury
Gail, Floyd Whitney	T 3	Exeter
Gallagher, Edward Mann	A 1	O'Neill
Galloway, Blanche	A 1	Holdrege
Galloway, George Davis	E 3	Holdrege
Gallup, Asa George	SA 1	Friend
Galusha, Juliet	SM	Lincoln
Galusha, Pattie	SM	Lincoln
Gamble, John William	A 4, S, Ex	Plattsmouth
Gannon, Frances Gertrude	SM	Lincoln
Gannon, Grace Marie	A 2	Lincoln
Gant, Minnie	S	Lincoln
Gantt, Aileen	T 4, S	Lincoln
Gantt, Edith	T 3	Lincoln
Gantt, Sybil	SM	Lincoln
Garber, Ethel May	A 2	Beatrice
Gardner, Clara Mabelle	S	Marengo
Gardner, William Henry	CAu	University Place
Garland, Walter Rolands	A 3, M 2	Lincoln
Garrett, Ralph Wallace	A 2	Madison
Garrett, Robert V	Ss	Scribner
Garten, Blanche	F A	Lincoln
Garver, Raymond Daniel	CA 3	Fairfield
Gaumer, John	SAs	Kimball
Gaylord, David Everett	SA 1	Fontanelle
Gaylord, Lida Eleanor	Tu	University Place
Gaylord, Mignon B	SM	University Place
Gearhart, Orpha	Au	Arapahoe
Gee, Elmer Charles	E 1	Lincoln
Gehring, Henry	Au	Surprise
Gehrke, Maggie May Patton	T 4, S	Lincoln
Geiger, Bernice	SM	Lincoln
George, Arthur Gray	A 1	Cumro
George, Clarence Winfield	A 3	Lincoln
George, Leon Oric	SA 3	Normal
George, Ralph Lowell	G	Cumro
George, Winnifred	SM	College View
Gerstenberger, Jesse A. V	L 1	Lincoln
Gibbons, Sarah Emily	S	Beaver Crossing
Gibbs, Arthur Benjamin	S	Danbury
Gibney, John Edward	A 2	Elkhorn
Gibson, Glen T	L 1	Gibbon
Gibson, Irma Vida	T 1	Fremont
Gibson, James Patterson, Jr	E 1	Lincoln
Gilbert, Albert Henry	CA 2	Johnson
Gilbert, Margaret Palmer	A 1	York
Gilleson, Loy J	Ex	Morse Bluff
Gillilan, Ruth	SM	Lincoln
Gilmore, Charles	G	Lincoln
Gilmore, Melvin Randolph	G	Bethany
Gilmore, Oden Sebastian	L 2	York
Gingrich, Fred Jacob	SA 1	Aurora
Girardet, Max	L 1	Weeping Water
Gish, Oliver Holmes	Au	Lincoln
Gist, Isham Reavis	A 1	Falls City
Given, Blanche Deborah	T 4	Lincoln
Given, Elsa Louise	SM	Lincoln

Given, Elsa Louise.....	Au.....	Lincoln
Glade, George Herman, Jr.....	E 2.....	Joplin, Mo.
Glass, Jessie June.....	G.....	Lincoln
Glazier, Pearl Pember.....	Au.....	Gibbon
Glazier, Ruth.....	SM.....	Gibbon
Glenn, Ray P.....	Ss.....	Stamford
Glonecker, Ruth Leota.....	SM.....	Lincoln
Glover, Earl.....	SAs.....	Comstock
Goble, Wade.....	A 3.....	Butte
Goddard, Edith Alta.....	A 1.....	Lincoln
Goddard, Grosvenor.....	E 1.....	Lincoln
Goebel, Henry.....	SAs.....	West Point
Goehner, William Oscar.....	SA 2.....	Seward
von Goetz, Marie.....	T 4.....	North Platte
Goffe, Jay Emory.....	SA 1.....	University Place
Golden, Martina Frances.....	A 1.....	Lincoln
Golden, Thomas Vincent.....	A 1.....	O'Neill
Goldsmith, Everett Lee.....	E 1.....	Lincoln
Gollaher, M. L.....	Ex.....	Waco
Goodbody, Maurice Frederick.....	SAu.....	Patterson, N. J.
Gooden, Alta May.....	CA 4.....	Lincoln
Gooden, Hazel.....	A 1.....	Lincoln
Goodfellow, Marie Isadore.....	T 3, S.....	Jackson
Goodnough, John Harlan.....	A 2.....	Chadron
Goodrich, Thomas Victor.....	G.....	Lincoln
Goodsheller, George J.....	Au.....	Lincoln
Goodwin, Calvin.....	SAu.....	Waterloo
Gorby, Celia A.....	Ex.....	O'Neill
Gossard, Waldo.....	E 1.....	Fremont
Gould, Harry Garvin.....	SA 3.....	Republican City
Gould, Margueritte.....	SM.....	Lincoln
Gould, Willette Warner.....	Au.....	Lincoln
Gourlay, Joseph Gordon.....	A 1.....	Lincoln
Gowing, Mabel Frances.....	S.....	Lincoln
Graff, Raymond Chester.....	SA 1.....	Bancroft
Graham, Clarence Thomas.....	E 1.....	Crete
Graham, Clyde Thomas.....	E 3.....	Avoca
Graham, George Arthur.....	A 1.....	Lincoln
Graham, George Harvey.....	A 3.....	Omaha
Graham, Grace Irene.....	S.....	Raymond
Graham, Harold Smith.....	L 1.....	Lincoln
Graham, Marjorie Estelle.....	SM.....	Lincoln
Graham, Mary Catherine.....	G.....	Lincoln
Graham, Paul Seabrook.....	A 1.....	Lincoln
Graham, Ray Archie.....	A 1.....	Lincoln
Graham, Mrs. R. H.....	S, Ex.....	Wymore
Graham, Robert Arnold.....	E 3.....	Crete
Graham, Robert Hamel.....	Ss, Ex.....	Wymore
Grainger, Elsie Elizabeth.....	SM, CA 1.....	Lincoln
Gramlich, Howard John.....	CA 3.....	South Omaha
Gramlich, Louis Trumble.....	E 1.....	Fort Crook
Grant, Fern Frances.....	S.....	Wauneta
Graves, Chester Arthur.....	SA 1.....	Daykin
Graves, Ernest Elmer.....	A 1.....	Lincoln
Graves, Ernest Howard.....	CAu.....	Watertown, N. Y.
Graves, Harriet.....	Au, S.....	Bethany
Graves, Jessie B.....	SM.....	Lincoln
Graves, Josephine E.....	S.....	Falls City
Gray, Geraldine Hortense.....	A 1.....	Columbus
Green, Barton Lamb.....	L 3.....	Lincoln
Green, Clara.....	SM.....	University Place
Green, Edmund Grady.....	SM.....	Lincoln
Green, Gratia.....	Au.....	Lincoln
Green, Guy Wilder.....	G.....	Lincoln

Green, Lloyd.....	SM.....	Lincoln
Green, Lucy May.....	A 3.....	Blue Springs
Green, Mabel.....	SM.....	Seward
Green, Walter Collier.....	Ss.....	Clarks
Greenamyre, Harold Hubert.....	CA 4.....	Lincoln
Greenberg, Abe.....	A 1.....	Omaha
Greene, Jessie Geneva.....	T 3, FA.....	Lincoln
Greenlund, Helma.....	A 1.....	Lincoln
Greenslit, Roy Fuller.....	A 4.....	Surprise
Greer, Vancil Kelso.....	L 3.....	Lincoln
Gregg, Maude Josephine.....	T 1.....	Lincoln
Gregory, Frances Islou.....	Au, SM.....	Lincoln
Gregory, Lula Belle.....	T 1.....	Lincoln
Griesel, Charles Adam.....	SA 2.....	University Place
Griess, Gustav Martin.....	Mu.....	Sutton
Griffin, Charles Powell.....	L 2.....	Superior
Griffin, LeRoy Francis.....	A 1.....	Atkinson
Griffin, Nessie.....	SM.....	Lincoln
Griffith, Walter Lyford.....	L 1.....	Omaha
Griffiths, Elizabeth.....	S.....	Lincoln
Grimes, Charles L.....	Ex.....	Diller
Grimison, James Ernest.....	A 1.....	Schuyler
Grim, Edith Anita.....	G, S.....	Lincoln
Grimm, Ella M.....	S.....	Roca
Grimm, Emma R.....	S.....	Roca
Grimm, Florence Marie.....	T 2.....	Lincoln
Griswold, Allene.....	SM.....	Lincoln
Griswold, Willard Russell.....	L 1.....	Lincoln
Groom, F. W.....	SAu.....	Petersburg
Grosbach, Homer Edward.....	E 4.....	Waneta
Gross, Robert Arthur.....	CA 2.....	Madison
Grosse, Hugo Richard.....	SAs.....	Atlanta
Grove, Harry Merrill.....	SAs.....	Spalding
Groves, Benjamin Harrison.....	E 2.....	Bostwick
Grubb, George Albert.....	Mu.....	Pawnee City
Grumann, Herbert Richard.....	S.....	Lincoln
Guidinger, Will Walter.....	T 1, SM.....	Schuyler
Guilfoil, James Howard.....	L 1.....	Hyannis
Guinn, Grace.....	SM.....	Lincoln
Gund, Edna.....	FA.....	Lincoln
Gunnels, Charles Elsworth.....	S.....	Crete
Gunnison, Max Leonard.....	L 1.....	Aurora
Gutberlet, Albert Harrison.....	T 3.....	Hardy
Guthrie, Edwin Ray.....	G.....	Lincoln
Guthrie, George LeRoy.....	E 3.....	Havelock
Guthrie, Louise.....	A 3.....	Lincoln
Guthrie, Margaret.....	T 3.....	Omaha
Guthrie, Richard Terrell.....	CA 2.....	Lincoln
Haag, Grace Clarabelle.....	A 3.....	Shelton
Haberle, John Milton.....	E 2.....	Lincoln
Hadsell, Hugh Burton.....	A 1, E 1.....	Geneva
Hagberg, Ture.....	SAs.....	Lincoln
Hagenstein, Guss, Jr.....	E 1.....	Spencer
Hager, Margaret.....	SM.....	Lincoln
Haggart, Ralph Arch.....	A 1.....	St. Paul
Hahn, Beryl Bernice.....	SM.....	Lincoln
Hahn, Henry August.....	SAs.....	Falls City
Hahn, Henry H.....	G, Ex.....	Blair
Hahn, H. T.....	SAu.....	Falls City
Hahn, R. W.....	Ex.....	Belden
Hahne, Ernest Herman.....	A 3.....	Lincoln
Hainer, Julia Thurston.....	G.....	Lincoln
Haist, Rose Izola.....	S.....	Denton
Haist, Ruth Olive.....	S.....	Denton

Hakanson, Ruth Viola.....	T 1.....	Fairfield
Haley, William Bernard.....	L 1.....	Valentine
Hall, Albert Dare.....	A 2.....	Nehawka
Hall, Edith Mead.....	A 1, SM.....	Lincoln
Hall, Helen.....	SM.....	Lincoln
Hall, Jennie A.....	Ss.....	Holdrege
Hall, Lizzie A.....	Ex.....	York
Hall, Lloyd George.....	A 1.....	Cowles
Hall, Matie Ella.....	CA 1.....	York
Hall, Otis William.....	S.....	Lincoln
Hall, Walter E.....	E 1.....	St. Paul
Halldorson, Paul John.....	A 3.....	Lincoln
Halldorson, Pauline Sarah.....	T 1.....	Long Pine
Halldorson, Ralph Emerson.....	A 2.....	Lincoln
Halldorson, Sophia.....	Tu, FA.....	Lincoln
Haller, Ruth.....	A 2.....	Omaha
Halligan, Paul Rolfe.....	A 4, L 1.....	North Platte
Hallowell, Bertha Lillian.....	A 4.....	Kearney
Halsted, Lloyd Dickson.....	T 2.....	Tecumseh
Ham, John Paul.....	A 2.....	Benkelman
Hamilton, Bertha Jean.....	S.....	Dakota City
Hamilton, Inez.....	SM.....	Lincoln
Hamilton, Jean Delphine.....	T 3.....	Cedar Rapids
Hamilton, Lillian May.....	S.....	Minden
Hamilton, Margaret.....	Tu.....	Omaha
Hammer, Clara Mariann.....	SM, A 2.....	Harlan, Ia.
Hammer, Elva Naomi.....	A 1, SM.....	Harlan, Ia.
Hamitt, Walter Frank.....	M 1.....	Garwin, Ia.
Hammond, Blanche Rose.....	SA 2.....	Marquette
*Hammond, Glen Olin.....	E 4.....	Pawnee City
Hammond, Lucy Hortense.....	CA 2.....	Lincoln
Hammond, None Elma.....	SA 2.....	Marquette
Hand, Helen F.....	SM.....	Buffalo
Handsaker, Helen.....	SM.....	Lincoln
Haner, Bertha E.....	S.....	Bethany
Hanger, William Lunsford.....	SA 2.....	Waterloo
Hanks, Mildred.....	SM.....	Lincoln
Hanley, Fred.....	A 2, S.....	South Omaha
Hanley, Kathleen.....	SM.....	Mankato, Kans.
Hanlon, Leo James.....	SA 1.....	Harvard
Hann, George Washington.....	G.....	Lincoln
Hanna, Edith Evangeline.....	A 3.....	Lincoln
Hanna, Hazel Dell.....	A 4, FA.....	Holdrege
Hanna, Joy.....	SA 2.....	Lexington
Hannah, Margaret Louise.....	G.....	Tilden
Hansen, Arta Camilla.....	SM.....	Archer
Hansen, Ella.....	SM.....	Lincoln
Hansen, George Harold.....	A 1.....	Fairbury
Hansen, Mabel.....	CA 1.....	Hastings
Hansen, Theo Marie.....	CA 2.....	Fairbury
Hansen, Theodore Marcus.....	A 1.....	Blair
Hansen, Veda Laurenza.....	SA 1.....	Archer
Hanson, Albin Warnard.....	SA 1.....	Wahoo
Hanson, Alma.....	SM.....	Stromsburg
Hanson, Dean.....	SAs.....	Wayne
Hanson, Florence.....	T 1.....	College View
Hanson, Linn Ford.....	SA 2.....	Concord
Hanson, Matilda.....	Ex.....	Harrison
Hanson, Paul Jean.....	SAs.....	Concord
Harden, Clifford James.....	E 2.....	Lincoln
Harden, Herbert C.....	P 1.....	Lincoln
Harder, Hans Peter.....	SAs.....	Chalco

* Deceased.

Hardiman, James Edward.....	T 4, S.....	Lincoln
Hardin, Allen.....	SAs.....	Cambridge
Hardin, Charlie Marks.....	E 4.....	Alma
Hardin, Claire Martha.....	A 1.....	Alma
Harding, Frederick Chapin.....	E 4.....	Oakland
Hardy, Estella Fern.....	T 3.....	Lincoln
Hare, Arthur Merlin.....	A 3.....	Albion
Harford, Florence.....	SM.....	Ashland
Hargett, Anderson J.....	S, Ss.....	Lincoln
Hargrave, Mark C.....	A 1.....	Wymore
Hargrave, Thomas Jean.....	A 1.....	Wymore
Hargreaves, Richard Lewis.....	A 1.....	Lincoln
Haring, Alfon Charles.....	SAs.....	Franklin
Haring, Herbert George.....	SAs.....	Reamsville, Kans.
Harling, Clarence.....	S.....	Beaver Crossing
Harmon, Dewey Jehn.....	A 2.....	Lincoln
Harmon, Harvey Horace.....	G.....	Lincoln
Harmon, Hoyt Henry.....	E 1.....	Nebraska City
Harms, Charles Wesley W.....	A 2.....	Berlin
Harnagel, D. C.....	Ex.....	Moorefield
Harper, Annie Eloise.....	SM.....	Wallace
Harper, Ella Bradford.....	G.....	Lincoln
Harper, Helen C.....	Au. S.....	Lincoln
Harper, Helen Emily.....	A 1.....	Wallace
Harpham, James Houston.....	E 3.....	Lincoln
Harpham, Julius Vivyan.....	A 1, S.....	Lincoln
Harriman, George Whittemore.....	E 1.....	Neligh
Harrington, Verne S.....	E 2.....	Howard
Harris, Celia Ellen.....	S.....	Lincoln
Harris, Clifford Blaine.....	E 1.....	Ohioa
Harris, Lucile June.....	A 2, SM.....	Stella
Harris, Walter John.....	SA 1.....	Havelock
Harris, W. K.....	Ex.....	Curtis
Harrison, Benjamin.....	Ex.....	Plattsmouth
Harrison, James Allen.....	A 2.....	Lincoln
Harrison, Samuel Thomas.....	SA 3.....	Havelock
Harte, Louis Henry.....	E 3.....	Omaha
Harte, Lucy Christina.....	A 1.....	Omaha
Hartley, Charlie.....	SM.....	Bennett
Hartley, Faye Marie.....	A 4.....	Lincoln
Hartley, Luella Pierce.....	Au.....	Lincoln
Hartley, Willard Aaron.....	A 1.....	Lincoln
Hartzel, Wilford.....	SM.....	Lincoln
Harvey, Andrew.....	M 1.....	North Bend
Harvey, David Richard.....	E 1.....	North Bend
Harvey, James Bascom.....	G.....	Wilber
Harvey, John William.....	E 1.....	Valentine
Hascall, Vincent Charles.....	L 1.....	Lincoln
Hasselbalch, George.....	SAs.....	Shelby
Hastings, Helen.....	Ex.....	Grant
Hatch, Edith Clare.....	A 1.....	Omaha
Hathaway, Hazel Margaret.....	T 2.....	Holdrege
Hathaway, Henry Cook.....	A 3, S, SM.....	Lincoln
Hawes, Frank Wilber.....	E 1.....	Denver, Colo.
Hawley, John William.....	SA 3.....	Brock
Hawley, Mones Johnson.....	E 1.....	Nebraska City
Hawley, Robert D.....	L 1.....	Nebraska City
Hawthorne, Aimee Whitman.....	Au.....	Lincoln
Hayes, D. W.....	Ex.....	Alliance
Hayes, Frank Albert.....	CA 1.....	Hardy
Hayes, Helen Lucile.....	A 2, SM.....	Denison, Ia.
Hayes, Verna.....	SM.....	Omaha
Hayman, Geraldine.....	SM.....	Grand Island
Haynes, Charles.....	SM.....	Terry, Tenn.

Haynie, Harry Rooth.....	L 1.....	Lincoln
Hayward, Alice Benjamine.....	SA 1.....	Lincoln
Hayward, William Hiram.....	SA 2.....	Kansas City, Mo.
Hazard, Olive Robbins.....	Au, SM.....	Hebron
Hazlett, Maude.....	Au.....	Lincoln
Hazlewood, Anita.....	Au.....	Lincoln
Heacock, Ruth Florence.....	A 3.....	Falls City
Heath, Eugene Schofield.....	G.....	Lincoln
Heath, Virginia Shropshire.....	G.....	Lincoln
Heaton, William Daniel.....	A 3, M 1.....	Wahoo
Heckendorn, Harry Newton.....	E 1.....	Fairmont
Hedges, Mabel Maude.....	G.....	Lincoln
Heffelbower, George Samuel.....	A 4.....	Red Cloud
Heggelund, Leonard Rhoades.....	E 4.....	Lincoln
Heiderstadt, Stewart H.....	SA 2.....	Geneva
Heilman, Jeremiah Leroy.....	Au.....	Thedford
Heimer, Eleanor Octavia.....	T 3.....	Gordon
Heine, Clinton Daniel.....	A 1.....	Hooper
Heintzelman, Alma Eulalia.....	T 1.....	Lyons
Heintzelman, Stuart.....	Au.....	Fort Leavenworth, Kans.
Heisel, Anna.....	S.....	Plattsmouth
Heller, Hattie.....	SM.....	Odell
Hemler, Arthur Frisbee.....	A 3.....	Beatrice
Hempel, Teresa Edith.....	T 4.....	Lincoln
Hemphill, Adalene.....	A 1.....	Weeping Water
Henderson, Earl Young.....	A 3.....	Omaha
Henderson, Sarah C.....	Au.....	Wahoo
Hendricks, Edward Roy.....	A 2.....	Wahoo
Hendricks, Hattie Ina.....	T 3.....	Wahoo
Hendrickson, James W.....	Ss, Ex.....	Eustis
Hendry, Walter James.....	SA 2.....	Lincoln
Henkel, Frank.....	SAs.....	Gladstone
Henninger, Ruth Antoinette.....	A 2.....	Pawnee City
Hepperlen, John Albert.....	E 4.....	Beatrice
Herbert, Mary Otis.....	A 4.....	Omaha
Herman, Irma Louise.....	A 2.....	Lincoln
Hermansen, Marie.....	SM.....	Kearney
Herminghaus, Ernest Herman.....	CA 1.....	Lincoln
Herold, Wilhelmina.....	SM.....	Lincoln
Herrick, Cecil.....	SM.....	Lincoln
Herrington, Sarah Martha.....	A 3.....	Wakefield
Hershey, Mrs. J. M.....	SM.....	Lincoln
Hesseltine, Carrie Elizabeth.....	A 3.....	Peru
Hetzler, Ida Maurine.....	A 1.....	Albion
Heupel, Anna Mabel.....	SA 1.....	Roca
Hewett, James Kelly.....	E 2.....	Alliance
Hewit, Emma Edna.....	A 4.....	Friend
Hcyn, Frederick Lawrence.....	SA 2.....	Omaha
Hibbard, Sherman Blaine.....	A 4, M 2.....	Lincoln
Hibben, Roy Milus.....	E 1.....	Norfolk
Hiber, Frances Florence.....	S.....	Plattsmouth
Hickel, Manford R.....	SA 1.....	Lincoln
Hiett, Myrtle Anna.....	Au.....	Sidney
Higgins, Charles Calvin.....	SA 3.....	Beatrice
Higgins, Charles Francis.....	SAs.....	Hartington
Higgins, Pansy Myrtle.....	SA 2.....	Beatrice
Higgins, Ralph Philip.....	M 2.....	Blue Hill
High, Ralph Wenzel.....	E 2.....	Bloomfield
Hildebrand, Daniel Monroe.....	SAs.....	Omaha
Hill, Burton Saufley.....	A 1.....	Buffalo, Wyo.
Hill, Charles William.....	SA 2.....	Ithaca
Hill, Florence Bernice.....	A 1.....	Lincoln
Hill, Leon R.....	Ss, Ex.....	Atkinson
Hill, Nettie Mae.....	A 2.....	Hebron

Hill, Ona Blanche.....	Au, FA.....	Hardy
Hill, Robert Roy.....	G.....	Geneva
Hiller, Morton.....	A 1.....	Omaha
Hills, Elmer W.....	Ex.....	Pawnee City
Hiltner, Arthur Herbert.....	A 2.....	Lincoln
Hiltner, Walter Garfield.....	G.....	Lincoln
Hilton, Ethel Jane.....	T 3.....	Blue Hill
Hilton, John William.....	G, S.....	Bethany
Hindmarsh, Hazel.....	SM.....	Lincoln
Hisey, Albert Samuel.....	G.....	Lincoln
Hitchcock, Alvin Ray.....	SA 1.....	Whitney
Hitte, Eleanor Brooks.....	A 2.....	Normal
Hixon, E. H.....	Ex.....	Valparaiso
Hladik, Joseph Frank.....	E 3.....	Plainview
Hoben, Kathleen Gertrude.....	T 1.....	Lincoln
Hoch, Edwin Franklin.....	SA 1.....	Roca
Hockerson, Edith.....	SM.....	Wahoo
Hockerson, Gertrude.....	SM.....	Wahoo
Hockstrasser, Kathleen.....	A 4, FA.....	Plattsmouth
Hodapp, Edward Paul.....	A 2.....	Humboldt
Hodge, Alice Marie.....	T 1.....	Omaha
Hodgkin, Walter Kidder.....	Lu.....	O'Neill
Hoegh, Peter.....	SAs.....	Hampton
Hoffman, Gladys Valentine.....	S.....	Lincoln
Hoffman, Jacob Oliver.....	Mu.....	Orleans
HofMann, Fred Wenzl.....	CA 4.....	Lincoln
Hofmeier, A. I.....	Ex.....	Crofton
Hofmeyer, Herman.....	SA 3.....	Republican City
Hoge, John Cameron.....	E 4.....	Lincoln
Hogrefe, Hazel Clare.....	A 1.....	Stella
Hogue, Harry Chester.....	E 1.....	Crete
Holaday, James Elbert.....	SAs.....	Lincoln
Holcomb, Amy Marie.....	T 2.....	Lincoln
Holcomb, Mary Priscilla.....	T 1.....	Osceola
Holden, E. Lee.....	Ex.....	Laurel
Hole, Katherine.....	T 4.....	Fairbury
Holland, Adaline Mildred.....	A 4.....	Falls City
Holland, Eugene.....	A 1.....	Lincoln
Holland, Yale Chenoweth.....	L 2.....	Lincoln
Holling, John.....	E 2.....	Wood River
Holloway, Helen Marie.....	A 1, SM.....	Lincoln
Holman, Grace M.....	A 1.....	Tobias
Holmes, Rachel Edna.....	T 4.....	Tecumseh
Holmes, Searle Francis.....	A 2, SM.....	Omaha
Holmstrom, Sylvia.....	S.....	Havelock
Holsclaw, Clinton Vane.....	Tu.....	Lincoln
Holthus, Herman.....	SA 1.....	Smithfield
Holt, Charles W.....	Ex.....	Naponee
Holtz, Frederick Carl.....	E 2.....	Wahoo
Hood, Samuel Lloyd.....	SA 3.....	Dore, N. D.
Hooker, Amy.....	SM.....	Adams
Hooper, Harry F.....	Ex.....	Blue Hill
Hooton, Mary Belle.....	Tu, S, Ss.....	Lincoln
Hoover, May.....	SM.....	Lincoln
Hopeman, Lura May.....	SM.....	Minden
Hoppe, Clate Lewis.....	S.....	Alexandria
Hopper, Margaret A.....	Ex.....	Superior
Hopt, Mrs. Erwin.....	SM.....	Lincoln
Horn, Helen Alice.....	CA 1.....	Omaha
Horn, Lewis M.....	SM.....	Lincoln
Hornberger, Evans Zacharius.....	L 1.....	Lincoln
Horning, Frank Walter.....	E 3.....	College View
Horsh, John William.....	SA 3.....	Lincoln
Hosford, Frederick Addison.....	Eu.....	Lincoln

Hostetler, Florence Maxine.....	A 1.....	Kearney
Hotts, Eleanor.....	SM.....	Lincoln
Houlette, Leslie R.....	A 1.....	Ravenna
House, John Mathias.....	SA 1.....	Valentine
Housenman, Amos LeRoy.....	SA 1.....	Crawford
Houska, Marie Josephine.....	T 2.....	Omaha
Houtz, Frances Myrtle.....	A 1, FA.....	Albion
Houtz, Iva Ethel.....	A 1.....	Albion
Howard, Caroline Minerva.....	A 1.....	Omaha
Howard, Faye Harrison.....	A 1.....	Flatts
Howard, Frank Elmer.....	G, S.....	College View
Howard, George Earle.....	L 1.....	Lincoln
Howard, Harriet Lynne.....	A 1, S.....	College View
Howard, Hazel Anna.....	A 1.....	Omaha
Howard, Hugh.....	E 1.....	Fremont
Howard, Mary Burtch.....	Au.....	Columbus
Howard, Rena Althea.....	CA 1.....	Lincoln
Howard, Robert Francis.....	G.....	Lincoln
Howard, Rollins Stanley.....	A 1.....	Phoenix, Ariz.
Howard, Rufus Melvin.....	A 1.....	Flatts
Howe, Ethel Fae.....	Au.....	Lincoln
Howe, Nellie.....	SM.....	Lincoln
Howell, Maude Lucile.....	Au.....	Lincoln
Howie, John M.....	G.....	Peru
Hoylman, J. L.....	SAu.....	Franklin
Hrubesky, Lucile.....	T 4.....	Geneva
Hruby, Charles Stephen.....	SAs.....	Toutry
Hubbell, Cliff Jay.....	E 1.....	Deweese
Hubermann, Ernest John.....	A 1.....	Omaha
Hudson, Lucile Lorraine.....	A 1.....	Hubbell
Huey, George William.....	E 4.....	Randolph
Huffman, Stanley McCook.....	A 4.....	Neligh
Hughes, Lulu.....	Au.....	Lincoln
Hughes, Michael John.....	E 4.....	Sutton
Hughes, Winifred.....	Au.....	Ottumwa, Ia.
Hultquist, Elmer August.....	E 1.....	Holdrege
Hummel, Archie William.....	E 4.....	Humboldt
Hummel, Florence.....	SM.....	Humboldt
Hummel, Lois Christian.....	A 4, L 2.....	Humboldt
Humpe, Alice A.....	A 3.....	Lincoln
Humphrey, Harold Leslie.....	SA 2.....	Beckersfield, Cal.
Humphreys, Mary E.....	SM.....	Lincoln
Hungate, Mary Taylor.....	T 1.....	Weeping Water
Hunkins, Ralph Valentine.....	T 1.....	Stratton
Hunley, Charles Marion.....	E 1.....	Pawnee City
Hunsaker, Raymond Jacob.....	A 1.....	Stromsburg
Hunt, Clara Louise.....	A 4.....	Burlington, Ia.
Hunt, George Jay.....	E 1.....	Iola, Kan.
Hunt, Gertrude Sybil.....	A 2.....	Lincoln
Hunter, Anna Mae.....	Au.....	Lincoln
Hunter, Esther Amelia.....	A 3.....	Fremont
Hunter, Paul Crary.....	CA 1.....	Raymond
Hunter, Violet Pearl.....	S.....	Broken Bow
Huntington, Ima Josephine.....	T 1.....	Fremont
Huntington, Raymond Arthur.....	E 2.....	Fremont
Huntley, Herbert LeRoy.....	E 1.....	Lead, S. D.
Huntley, R. A.....	SAu.....	Pawnee City
Hurd, Mrs. Lou.....	Ex.....	Valyrang
Hurst, E. K.....	Ex.....	Falls City
Hurt, Charles Oliver.....	SA 3.....	Wilsonville
Huse, Harry Goodhue.....	A 3.....	Fullerton
Huse, Josephine Celeste.....	A 4.....	Fullerton
Husted, Charles Delino.....	A 1.....	Phillips
Huston, Claude Brownell.....	E 4, S.....	Geneva

Hutchinson, Clyde William.....	SA 3.....	Elgin
Hutchinson, Ethel Florence.....	T 3, S.....	Lincoln
Hutchinson, Guy Francis.....	A 1.....	Lincoln
Hutchinson, Sadie Lavinia.....	S.....	Arapahoe
Hutchison, William Carlton.....	E 3.....	Lincoln
Hutton, Bertha M.....	Ex.....	Chadron
Hutton, Elsie.....	A 1.....	Lincoln
Hutton, Thomas Andrew.....	S.....	Lincoln
Huwaldt, Edward.....	A 1.....	Randolph
Hyde, Edward Leslie.....	A 2.....	Lincoln
Hyde, Ray Bowerman.....	E 3.....	Norfolk
Hyder, Ruth.....	T 1.....	Lincoln
Hyder, Verna Gretchen.....	A 2.....	Lincoln
Hykut, Eugene H.....	SAu.....	Columbus
Ingersoll, Arthur Everette.....	E 4.....	Lincoln
Ingersoll, Grace.....	SM.....	Lincoln
Ingram, Della Elizabeth.....	G.....	Dayton, Wash.
Inness, Robert John.....	E 1.....	Osceola
Ireland, Fred Marshall.....	SA 2.....	Gordon
Irvin, Ida May.....	SM.....	Bethany
Irvin, Wanda I.....	SM.....	Eddyville
Irvine, Robert Steele.....	A 1.....	College View
Iseman, Eva Belle.....	T 1.....	Lincoln
Isham, Agnes Anna.....	FA, SM.....	Buffalo Gap, S. D.
Isham, Edward Booth.....	SA 2.....	Mazon, Ill.
Isham, Robert Melyne.....	G.....	University Place
Isham, Russell Raymond.....	SA 3.....	Buffalo Gap, S. D.
Ives, Verana Mae.....	SM.....	Lincoln
Ivers, Frances.....	SM.....	Lincoln
Ivers, Marie.....	SM.....	Lincoln
Jackson, Belle.....	SM.....	Lincoln
Jackson, Earl Warren.....	S.....	University Place
Jackson, Mabel Emily.....	Au.....	Lincoln
Jackson, Pauline A.....	SM.....	Sheridan, Wyo.
Jackson, William Roberts.....	G, Ss.....	University Place
Jackson, Winifred Edith.....	Au.....	Lincoln
Jacobs, Elsie Sophia.....	S.....	Daykin
Jacobs, Harrison Godfrey Henry.....	SA 1.....	Daykin
Jacobson, Clara Matilda.....	Tu.....	Blair
Jacobson, Edward Benjamin.....	S.....	Genoa
Jacobson, J. E.....	Ex.....	South Omaha
Jakway, Ruth Milliken.....	A 4.....	Lincoln
James, Pearle Catherine.....	Au, SM.....	Sidney, Ia.
James, Thomas Albert.....	A 2.....	Lincoln
Jamison, Max Beverly.....	L 1.....	Malmo
Janes, Lulu May.....	A 1, FA.....	Lincoln
Janes, Percy.....	A 1.....	Lincoln
Jansen, Margaret Rosetta.....	SM.....	Gothenburg
Jarchow, Joseph Herman.....	SA 1.....	Daykin
Jaynes, Irene Eva.....	CA 2.....	Omaha
Jean, Frank Covert.....	T 3, Ex.....	Mynard
Jelinek, Fred.....	Ss.....	Clarkson
Jenkins, Clara Alice.....	S.....	Lincoln
Jenkins, George Merrill.....	Lu.....	Lincoln
Jenkins, Leona.....	SM.....	Wamego, Kans.
Jennings, Beula Luella.....	T 4.....	Davenport
Jennings, Caddy Winifred.....	SM.....	Gothenburg
Jensen, Anton.....	CA 1.....	Cozad
Jensen, Marie Elizabeth.....	SM.....	Bennet
Jess, Helen.....	S.....	Plattsmouth
Jessup, Frank Pierson.....	L 3.....	Minatare
Jewell, Stella Louise.....	T 1.....	Weeping Water
Jisa, Vladimir.....	SM.....	Weston
Johnson, Arthur E.....	SM.....	Wayne

Johnson, Benjamin Parks.....	E 4.....	Lincoln
Johnson, Bruce Bagley.....	L 1.....	Lincoln
Johnson, Clarke Willard.....	L 1.....	Fremont
Johnson, Delmar Noble.....	SA 3.....	Lyons
Johnson, Earle George.....	A 4, M 1, S.....	Fremont
Johnson, Edith Caroline.....	S.....	Stromsburg
Johnson, Ethel Dorothy.....	A 2.....	Broken Bow
Johnson, Evelyn Eleanor.....	CA 2, FA.....	Oakland
Johnson, Florence.....	SM.....	Lead, S. D.
Johnson, Frank P.....	L 3.....	Minatare
Johnson, Frank Warren.....	E 4, S.....	Fullerton
Johnson, Gladys Jessie.....	SA 1.....	Pawnee City
Johnson, Hannah.....	Ex.....	Abbott
Johnson, Hazel Athene.....	A 2.....	Pawnee City
Johnson, Herbert Lewis.....	SA 1.....	North Loup
Johnson, Joseph Vincent.....	A 1.....	Lincoln
Johnson, Josephine.....	SM.....	Lincoln
Johnson, Julia Lucile.....	S, Ex.....	Yutan
Johnson, Leona.....	T 1, SM.....	Lincoln
Johnson, Marie.....	SM.....	Lincoln
Johnson, Mary Ethel.....	Au.....	York
Johnson, Pauline L.....	SM.....	Lincoln
Johnson, Ruby J.....	Ex.....	David City
Johnson, Roy Chester.....	SA 1.....	Lyons
Johnson, Roy Rex.....	SA 3.....	Burchard
Johnson, Sophia Emma.....	S.....	Denton
Johnson, Tressa Beatrice.....	T 1, S.....	Fairbury
Johnston, Alison Grant.....	S.....	Bloomington
Johnston, Mary A.....	Ex.....	Edgar
Johnston, Paul Alfred.....	E 2, SM.....	Red Cloud
Jones, Ada Magee.....	G.....	University Place
Jones, Albert Button.....	SA 3.....	Doniphan
Jones, Annie.....	SM.....	Lincoln
Jones, C. S.....	Ex.....	Ord
Jones, Effie Louise.....	T 2.....	Normal
Jones, Frank Lorenzo.....	E 2.....	Lincoln
Jones, Gwladys Maud.....	SM.....	Trenton
Jones, John Willis, Jr.....	L 1.....	McCook
Jones, Henry Albert.....	SA 1.....	Seward
Jones, Loyd Ancile.....	G.....	York
Jones, Mae M.....	SM.....	Wymore
Jones, Mariel Theresa.....	A 2, SM.....	Lincoln
Jones, Nellie Marien.....	T 1.....	Normal
Jones, Olive Mildred.....	T 3.....	Hastings
Jones, Orville.....	Ex.....	Lincoln
Jones, Roy Allen.....	SAS.....	Scottsbluff
Jones, Wilbur August.....	E 4.....	South Omaha
Jones, William Thomas, Jr.....	SA 1.....	Andrews
Jorgensen, Earl Henry.....	A 4.....	Omaha
Juhl, Andrew Petersen.....	A 2.....	Lincoln
Julian, W. A.....	Ex.....	David City
Junkin, Mary Gail.....	SA 2.....	Lincoln
Jussel, Martin Simon.....	CA 4.....	Indianola
Kadavy, Godfrey Joseph.....	A 1.....	South Omaha
Kalkus, Julius Wilbur.....	SAu.....	Nebraska City
Karel, Jerry.....	SAS.....	Clarkson
Kate, Alice.....	A 2.....	Wayne
Kates, Jennie Mae.....	T 4.....	Lincoln
Kauffman, Benjamin Verne.....	SA 3.....	Monte Vista, Colo.
Kauffman, Dwight Leslie.....	SA 3.....	Monte Vista, Colo.
Kautz, Amelia Lulu.....	T 2.....	Ponca
Kavan, William Ed.....	A 2, S.....	Omaha
Kay, Mildred Ida.....	T 2, S.....	Ewing
Kearney, Orlando Harrison.....	E 1, SM.....	Stanton

Keech, Mary Lourena.....	T 3.....	Lincoln
Keefe, James Houston.....	SA 5.....	York
Keegan, John Jay.....	A 2.....	Alliance
Keeling, Era.....	A 1.....	Springfield, S. D.
Keens, Frank George.....	CA 2.....	Kearney
Keifer, Joseph William.....	CA 3.....	Bostwick
Keifer, Lucy Stout.....	A 2.....	Bostwick
Keifer, Margaret Eliza.....	A 1.....	Bostwick
Keifer, Oswin.....	SM.....	Bostwick
Keith, Alonzo Fred.....	A 1.....	Curtis
Keith, Edgar Lawrence.....	E 1.....	Curtis
Keith, L. Mabel.....	Tu.....	Curtis
Kellam, D. Merton.....	P 1.....	Franklin
Keller, Emma Thekla.....	S.....	Culbertson
Keller, Olive Hawley.....	T 2.....	Lincoln
Keller, Zila Eileen.....	S.....	Culbertson
Kelley, C. P.....	Ex.....	Rushville
Kelley, May.....	Au, FA.....	Lincoln
Kelley, Viva.....	Ex.....	Rising City
Kelner, Ray Howard.....	E 1.....	Scribner
Kelly, Charlotte Margaret.....	A 2.....	Homer
Kelly, M. J.....	SAu.....	Lincoln
Kelsey, Charles Lee.....	SA 2.....	Lincoln
Kelsey, Thomas Conklin.....	E 3.....	Lincoln
Kemp, J. H.....	Ex.....	Wayne
Kemper, Bessie Mahelle.....	A 1.....	Aurora
Kendall, Earle M.....	Ex.....	Gordon
Kennedy, Howard Ransome.....	A 4.....	Weeping Water
Kennedy, Ruby Hazel.....	SM.....	Lincoln
Kenner, Walter Vern.....	L 2, S.....	Omaha
Kent, Percy Roland.....	SA 2.....	Denver, Colo.
Kerakedes, Thomas.....	SM.....	Lincoln
Kerndt, Beulah.....	SM.....	McDonald, Kans.
Kerndt, Hertha.....	SM.....	McDonald, Kans.
Keros, Thomas.....	A 1.....	Lincoln
Kerrigan, Sara.....	S.....	Greeley
Kess, Anna B.....	Ex.....	Brideport
Kess, Benjamin True.....	T 4.....	Lincoln
Kessler, Arthur Rolland.....	E 3.....	Sutton
Ketridge, John Chester.....	S.....	Lincoln
Kenton, Dietrich.....	SA 1.....	Harbine
Kidd, Dora Aldona.....	CA 2.....	Beatrice
Kiddoo, Guy Cabbell.....	A 2.....	South Omaha
Kiechel, Walter.....	Ex.....	Tecumseh
Killian, Raymond Albert.....	E 1.....	Wahoo
Killian, Sylvia.....	A 2.....	Wahoo
Kimball, Katherine.....	SM.....	Lincoln
Kimberly, Nellie Content.....	A 3.....	Lincoln
Kimmel, Grace Jennie.....	T 4, S.....	Lincoln
Kincaid, Beatrice.....	SM.....	Lincoln
Kincaid, Lilah Ruth.....	SM.....	Lincoln
Kincaide, Charles M., Jr.....	SM.....	Lincoln
Kincaide, Gertrude.....	G.....	Lincoln
Kindig, Albert Sidney.....	SA 1.....	Holmesville
Kindig, Ethel Leta.....	SA 3.....	Holmesville
King, Beatrice Belle.....	Au, SM.....	Orchard
King, Dexter D.....	A 1.....	York
King, Edna Hazel.....	G.....	Lincoln
King, Eva Annetta.....	T 1.....	Syracuse
King, Grace V.....	SM.....	Sidney
King, Guy C.....	SM.....	Havelock
Kingsley, Ellen Morris.....	A 2.....	Minden
Kingsley, Helen Leavitt.....	A 1, SM.....	York
Kinney, Harvey Smith.....	E 1.....	Woodbine, Ia.

Kinscella, Hazel Gertrude.....	SM.....	Lincoln
Kinsinger, James Wadsworth.....	A 1.....	Millford
Kinsman, Claude Dennison.....	E 2.....	Columbus
Kinsman, Katey Lora.....	T 2.....	Columbus
Kinyon, Susie.....	G.....	Raymond
Kiplinger, Lloyd Addison.....	L 2.....	Lincoln
Kiplinger, Ralph Ernest.....	E 2.....	Holdrege
Kirkpatrick, May.....	S.....	Oconto
Kirkwood, Nellie Louie.....	Au, SM.....	Lincoln
Kissinger, Isabelle Cornish.....	FA.....	Lincoln
Kjar, Albert August.....	SA 2.....	Lexington
Klepser, Fred.....	A 1.....	Weeping Water
Klinker, Mary Marguerite.....	A 2, SM.....	Lincoln
Knappe, George P.....	SA 2.....	Lexington
Knepper, Kathryn Mae.....	A 1, SM.....	Lincoln
Knepper, Ruby Rosamond.....	A 4, SM.....	Lincoln
Knight, Doris.....	SM.....	Bethany
Knight, George N.....	S.....	Cameron, Mo.
Knoak, Theodore H.....	SAu.....	Coleridge
Knoll, Louis J.....	A 4, M 1.....	Crete
Knott, May Josephine.....	SA 2.....	Ord
Knox, Bessie.....	SM.....	Schuyler
Knox, Harley.....	SM.....	Schuyler
Knox, Leta Gladys.....	SM.....	Schuyler
Knowlton, Blanche Gertrude.....	Au.....	Lincoln
Knudsen, John Herlup.....	SA 1.....	Benson
Knudson, Minnie.....	Ss.....	Wood River
Knuth, Ida.....	SM.....	Cedar Bluffs
Knuth, Peter Henry.....	SAs.....	Cedar Bluffs
Koch, Aurelia.....	G.....	Gandy
Koch, Lillian.....	Au, SM.....	West Point
Koehler, Henry Irvin.....	CA 1.....	Pilger
Kohn, Pauline.....	A 1.....	Lincoln
Kokjer, Hans Madison, Jr.....	E 2.....	Clarks
Kolls, Klindt.....	E 1.....	Grand Island
Koontz, Edna.....	SM.....	College View
Korstian, Clarence F.....	CA 2.....	Crete
Kositsky, Ralph Herbert.....	E 1.....	Yankton, S. D.
Kotlar, Frank John.....	A 1.....	Columbus
Kovanda, Marian.....	A 1, SM.....	Table Rock
Kozlik, Clement Frank.....	SA 1.....	Cleveland, O.
Krainek, Genevieve.....	SM.....	Crete
Krajicek, Steven.....	E 1.....	Arlington
Kramer, Herman Frederick.....	E 1.....	Lincoln
Kramer, William H.....	Ss, Ex.....	Imperial
Krassin, Lilla.....	SM.....	Waseca, Minn.
Krasne, Michael.....	A 1.....	Oakland
Kraus, Edward Joseph.....	E 1.....	South Omaha
Krause, Victor Walton.....	A 3, FA.....	Albion
Kraxberger, Michael Edward William.....	SA 3.....	Gothenburg
Krebs, Myrtle May.....	A 2.....	Scotia
Kremer, Clarence Joseph.....	E 3.....	Lincoln
Kremlacek, James Frank.....	SAs.....	Weston
Kretzinger, Ernest Lewis.....	A 4.....	Beatrice
Krewson, Ernest Levi.....	SA 1.....	Gibbon
Kriebel, Lora Euallia.....	SA 2.....	Kenesaw
Krisl, Agnes Lucile.....	A 1.....	Lincoln
Krisl, John.....	Lu, S.....	Lincoln
Krisl, Mary Ellen.....	SA 2.....	Lincoln
Krueger, Gerhard.....	A 3.....	Cottbus, Germany
Krueger, John Fritz.....	G.....	Lincoln
Krueger, Theodore.....	CA 1.....	Lincoln
Krug, William Jennings.....	E 2.....	South Omaha
Krumm, George Warren.....	A 1.....	Tilden

Krumm, Giles Monroe.....	A 1.....	Tilden
Kruse, Edith Lillian.....	FA.....	Lincoln
Kruse, Orvy Leland.....	S.....	Lincoln
Kruse, Richard John.....	SA 1.....	Oakland
Kryger, Ralph Mallory.....	A 1.....	Neligh
Kudlacek, Frank.....	SM.....	Wilber
Kuebler, Don A.....	S.....	Bertrand
Kugler, Guy George.....	SAs.....	Riverton
Kuhn, Ada.....	SM.....	Lincoln
Kuhns, Vernon E.....	SM.....	Maxwell
Kunkel, Charles David.....	E 4.....	Osceola
Kunkel, Margaret Anita.....	T 2.....	Osceola
Kuony, John Hubert.....	E 3.....	Omaha
Kuska, Joseph Benjamin.....	CA 1.....	Ohioa
Kuster, Louis Christopher.....	S.....	Tecumseh
Kyle, Andrew J.....	SAu.....	Cozad
La Bounty, Lilly.....	SM.....	Curtis
La Chapelle, Harold Leceister.....	E 4.....	Ashland
Lacey, Kathryn.....	Ex.....	Harrison
Lackey, Agnes.....	Ex.....	Gering
Lackey, Earl E.....	Ex.....	Syracuse
Ladd, Della.....	A 1, SM.....	Albion
Lahnert, Thomas, Jr.....	A 1.....	Belvidere
Lake, Lilburn.....	P 1.....	Lexington
Lakin, Lulu.....	SM.....	Lincoln
Lalley, Augustina Clara.....	S.....	Lawrence
Lamb, George Newton.....	G, S.....	Lincoln
Lamb, William Harrison.....	A 2.....	Papillion
Lambert, Claude.....	SM.....	Lincoln
Lambert, Leroy Schuyler.....	E 2.....	Kearney
Lamborn, Louise.....	Ex.....	Palmyra
Lamborn, Pearl.....	Ex.....	Palmyra
Lamkin, Lavina.....	SM.....	Lincoln
Lamkin, Mildred.....	SM.....	Lincoln
Lammers, Anna Irene.....	T 3.....	Lincoln
Lammers, Sophia Josephine.....	T 3.....	Lincoln
Lampert, Benjamin Matthias.....	E 1.....	Cedar Bluffs
Lampert, Raymond Matthias.....	SAs.....	Wahoo
Landers, Charles Bell.....	E 2.....	Norfolk
Landin, Marie.....	T 1.....	Holdrege
Landis, Barbara.....	SM.....	Waverly
Lane, Aletha Viola.....	A 2.....	Lincoln
Lane, Darrell Thomas.....	A 1.....	Ravenna
Langenheder, John.....	SAs.....	Grand Island
Langer, Irvin Joseph.....	L 2.....	Wilber
Langley, Marie.....	SM.....	Lincoln
Langley, Rosa Alice.....	Au.....	Lincoln
Lapp, Dale.....	A 4.....	Nelson
Larimer, Lena.....	SM.....	Phelps City, Mo.
Larimer, Ralph E.....	SAu.....	Friend
Larsch, Mary E.....	S.....	Hickman
Larsen, Otto Soren.....	SAs.....	Marquette
Larson, Alice.....	SM.....	Minden
Larson, Anton E.....	Ex.....	Harrison
Laubach, Walter Howard.....	E 2.....	Omaha
Laudermilch, Virginia Sara.....	Au.....	Hastings
Laughlin, Joseph Wilson.....	A 3, M 1.....	Calloway
Lauridsen, Helge.....	SA 2.....	Mason City
Lawler, Virgil Allen.....	SA 1.....	Greensburg, Ind.
Lawrence, Charles Gladus.....	SA 2.....	Hershey
Lawrence, Helen Irene.....	A 1, FA.....	Fremont
Lawrence, James Ernest.....	L 2.....	Beatrice
Lawrence, Lora Jeannette.....	A 4.....	Fremont
Lazo, Mauricio.....	CA 4, S.....	Santa Maria, Ilocos Sur, P.I

Leahy, Marie Teresa.....	Au.....	Lincoln
Leahy, Will Richard.....	A 1.....	Lincoln
Leamer, Esther Viola.....	S.....	Dakota City
Leamer, George William.....	A 2.....	Dakota City
Leamer, Pearl Estella.....	A 2.....	Dakota City
Leamer, Venus Una.....	T 4, FA.....	Wakefield
Leavitt, Frederick William.....	G, Ex.....	Franklin
Lee, Bernice Marie.....	T 2, S.....	Shelton
Lee, Catherine Marie.....	Au.....	Lincoln
Lee, Earl Jackson.....	A 3.....	Fremont
Lee, Jessie Alice.....	T 4.....	Lincoln
Lee, Mark Harold.....	SA 2.....	Shelton
Lee, Robert.....	SM.....	Lincoln
Lefter, Esther.....	SM.....	Lincoln
Lehman, Clyde William.....	T 1, E 1.....	Superior
Lehmer, Phillips Thain.....	E 1.....	Omaha
Lehr, C. F.....	Ss.....	Pender
Leinemann, Arthur Henry.....	SA 1.....	Fort Crook
Lempke, Walter John.....	E 3.....	Pender
Leonard, George Kinney.....	E 2.....	Lincoln
Leonard, Mary.....	Ex.....	Spalding
Lerman, Baruch.....	E 1.....	Omaha
Le Roy, Glenn Raymond.....	E 4.....	Fairbury
Leshner, Charles Frederic.....	A 2.....	Lincoln
Letton, Will Adam.....	A 1.....	Lincoln
Levy, Helen Caroline.....	A 1.....	Lincoln
Levy, Marguerite Mabel.....	A 1.....	Hastings
Lewis, Eber Brock.....	CA 2, E 2.....	Superior
Lewis, Elsie Evelyn.....	S.....	Arapahoe
Lewis, Etta Mae.....	T 1.....	Lincoln
Lewis, Irma.....	SM.....	College View
Lewis, John Greenleaf Whittier.....	G, Lu.....	Broken Bow
Leyenberger, Edna Deane.....	S.....	Brooklyn, Ia.
Lichty, Lester Clyde.....	E 1.....	Carleton
Lieber, Charles.....	M, <i>cum laude</i>	Omaha
Liebers, Hedwig Antonia.....	SA 1.....	Minden
Liebers, Otto Hugo.....	CA 1.....	Minden
Liephart, Clyde Merton.....	A 1.....	Lincoln
Lilliedahl, Frank.....	SM.....	Pierce
Linch, Alta.....	Ex.....	York
Linch, Leta Blanch.....	T 2.....	Lincoln
Linberg, Emil August.....	E 2.....	Craig
Lindberg, Frederick Wilhelm.....	SA 1.....	O'Neill
Lindburg, Eleanor Spurgeon.....	SA 1.....	Polk
Linder, Melville Milton.....	SA 3.....	Berwyn
Lindley, Edna Ruth.....	T 1.....	Omaha
Lindley, Leone.....	T 2.....	Fairmont
Lindsay, Ruth.....	SM.....	Lincoln
Lindsey, Cornelia Frances.....	T 2.....	Lincoln
Lindstedt, Marcus Carl.....	SA 2.....	Osceola
Linger, Earl Albert.....	A 2.....	Peru
Linn, Theola Maude.....	T 3.....	North Bend
Linson, John Henry.....	A 4, M 2, S.....	Heartwell
Linstrum, Arthur Chandler.....	E 1.....	Columbus
Lionberger, Earle Lester.....	A 2.....	Superior
Littel, Charles Lester.....	A 2, Ex.....	Lincoln
Littell, Rurie V.....	SM.....	Mound City, Mo.
Little, Elizabeth.....	Au.....	Lyons
Little, Katherine.....	T 4.....	Lyons
Little, Marjorie.....	SM.....	Lincoln
Little, Miriam.....	SM.....	Lincoln
Lively, Clarence Roscoe.....	SA 2.....	South Omaha
Livermore, Guy E.....	S, Ss.....	Comstock
Lloyd, Lucile Marguerite.....	A 1.....	York

Lloyd, Lynn	A 3	Omaha
Lodge, Hazel	SM	Walnut, Ia.
Lofgren, Gus Adolph	E 2	Ponca
Logan, Claudia Marie	Au, SM	Blue Hill
Loghry, Florence	Ex	Geneva
Lomax, James Conrad	A 2	Broken Bow
Loneragan, Grace Myrtle	SA 1	Florence
Long, Esther Anna	Tu	Lincoln
Long, Evangeline	A 1	Lincoln
Long, Frank Edward	E 1	Kearney
Long, Grace Cornelia	SA 3	Wakefield
Long, Grover Cleveland	L 3	Ord
Long, Mabelle Virginia	A 2, S	Lincoln
Longman, Annie Lawrie	Au	Bethany
Longman, Effie May	A 4, S	Bethany
Loomis, Frederick Parmelee	SA 3	Ord
Loomis, James Rounds	A 1	Ord
Loomis, Josephine Fidelia	A 4	Lincoln
Loomis, Lucinda Bills	G	Lincoln
Loomis, Walter Phelps	A 4	Omaha
Loper, Elva	SM	Adams
Lord, Carl Jacobs	A 3	Randolph
Losch, Mark Clement	A 1	West Point
Love, Robert	SM	Valparaiso
Love, Roy Ernest	SAs	Cozad
Lovell, Roy	SAu	York
Lowe, Charles R.	Ex	Rising City
Lower, Henry Sherman	L 3	Lincoln
Lowrey, Jessie	SM	Lincoln
Lowry, Kathryn Marie	T 1	South Omaha
Luckey, Bertha Musson	T 4, S	Lincoln
Luckey, George Paul	T 4, S	Lincoln
Luckey, Hattie C.	S	Lincoln
Luckey, Hattie Franke	SA 1	Lincoln
Luckey, Henry Carl	L 1	Bethany
Luckey, William Henry	SA 3	Columbus
Luce, Sister	Ss	Spalding
Ludden, Arthur Jay	L 1	Surprise
Ludden, John Ernst	SA 3	Lincoln
Ludlam, J. Guthrie	SAu	Lincoln
Ludwick, Karl Lorraine	E 4, S	Lincoln
Luebs, Albert	SAs	Wood River
Luebs, August	Eu	Wood River
Luedtke, Edward	SA 1	Creston
Luff, Alonzo Worth	Mu	Friend
Lulkart, Cordelia Elizabeth	A 4	Norfolk
Lulkart, Ralph Herbert	A 2	Lincoln
Lute, Carrie Lula	SM, A 2	Paxton
Lyford, Gertrude Marion	A 2	Falls City
Lyford, Grace	A 2	Falls City
Lykke, Helen Anna	T 4	Grand Island
Lyman, Blanche Margaret	A 2	Lincoln
Lynde, Earl Joe	E 1	Norfolk
Lynn, Raymond Dennett	SA 3	Dallas, S. D.
Lyon, Harry Alex	SAs	Malmö
Lyons, Flossie Louise	T 2	Asylum
Lzlecar, George	A 2	Chadron
McAllister, Janet Clare	A 1	Columbus
McBride, Florence	SM	Lincoln
McBride, Maud Mildred	Tu	Lincoln
McBrien, Dean D.	T 1	Lincoln
McCaffree, Harry Anrellus	A 1	Scottsbluff
McCaffrey, Thomas Sherman	E 2	Omaha
McCague, Anna Catherine	T 1	Omaha

McCaig, Ella Imogene.....	T 3.....	Omaha
McCall, M. R.....	Ex.....	North Loup
McCallum, Jessie Eugenia.....	G.....	Lincoln
McCarthy, Daniel Michael.....	L 3.....	Mankato, Kans.
McCarthy, Joseph Thomas.....	SA 1.....	Spalding
McCarthy, Lee James.....	SA 2.....	Newton, Kans.
McCarthy, Mary.....	SM.....	Roca
McClure, Daisy.....	SM.....	Lincoln
McClure, Grace Frances.....	Tu.....	Lincoln
McClure, Leah May.....	T 3.....	Lincoln
McClure, Marshall C.....	S, Ex.....	Kearney
McComb, Mollie June.....	A 2.....	Wilsonville
McCombs, Dwight Warren.....	SAs.....	Mouroe
McConnell, Florence S.....	G.....	Lincoln
McConnell, Frederic Charles.....	A 1.....	Omaha
McConnell, William Estill.....	A 2, S.....	Lincoln
McCray, Neva.....	SM.....	Bethany
McCullough, Alice John.....	A 3.....	Omaha
McCurry, Grace R. E.....	S.....	Lincoln
McDaniel, Thomas Johnson.....	A 4, L 1.....	Plattsmouth
McDavitt, Lavern.....	A 3.....	Hastings
McDole, Guy Raymond.....	A 4.....	University Place
McDonald, Allen Herman.....	SA 1.....	Geneva
McDonald, Dale Francis.....	A 4.....	York
McDonald, James Patrick.....	E 1.....	Humphrey
McDonald, Nettie.....	SM.....	Lincoln
McDonald, Ruth Marie.....	A 1.....	Omaha
McDowell, Mary Mabel.....	T 1.....	Lyons
McEachem, Benjamin Harrison.....	SAs.....	Wayne
McFadden, Ruth Edna.....	A 1, SM.....	Clay Center
McGahey, Jean Elizabeth.....	A 2.....	Lincoln
McGee, Edward Clarke.....	E 2.....	Clearwater
McGee, Emma Louisa.....	S.....	Clearwater
McGee, Randall R.....	A 3, M 1, Ss, Ex.....	Lincoln
McGee, Roy.....	SA 2.....	Bertrand
McGinnis, J. W.....	SAu.....	Ord
McGonigle, Victor Joseph.....	A 1.....	Jackson
McGowan, Claude August.....	P 1.....	Lincoln
McGowan, Walter Ivan.....	A 2.....	Scottsbluff
McGrath, Wilmer Delavergne.....	A 1.....	Grand Island
McGuire, Olive Josephine.....	S.....	Lincoln
McGurk, Dora.....	SM.....	David City
McGurk, James Francis.....	SA 2.....	David City
McHugh, Robert Emmet.....	A 1.....	Waverly
McIntosh, Grace.....	T 1.....	Lincoln
McIntosh, Nelle.....	T 3.....	Lincoln
McKay, Carlotta.....	S.....	Lincoln
McKee, Clarence Stiles.....	A 1, P 1.....	Aurora
McKee, Earl Cleveland.....	L 2.....	Lexington
McKellip, Ivan.....	CA 3.....	Albion
McKelvie, Florence Thelma.....	Au.....	Lincoln
McKenna, Claire.....	SM.....	Red Willow
McKeown, Frank Thomas.....	SA 1.....	Newport
McKibbin, Charles Raymond.....	L 1.....	Sidney
McKie, Mrs. Anna E.....	Ex.....	Parks
McKinley, F. R.....	Ex.....	Burchard
McKinney, Harold Frederick.....	L 1.....	Omaha
McKinnon, Claire Anna.....	A 1.....	Siloam Springs, Ark.
McKinstry, LeRoy Edwin.....	SA 1.....	Sedgwick, Colo.
McLaafferty, Joel Edward.....	E 1.....	Omaha
McLaughlin, A. L.....	Ss.....	Lincoln
McLaughlin, Harry.....	SM.....	University Place
McLean, Earl.....	A 4.....	University Place
McLean, Margaret Helena.....	G.....	Lincoln

McLean, Wallace.....	A 1.....	Dorchester
McLean, William Minden.....	SAU.....	Lincoln
McManigell, Cozette.....	A 2.....	Lincoln
McMaster, Howard.....	SM.....	Lincoln
McMichael, Mayme.....	SM.....	North Platte
McMurry, Gertrude.....	SM.....	Lincoln
McNabb, Frances.....	Au.....	Lincoln
McNeel, Allen Grant.....	A 4, S.....	North Platte
McNeel, Edwin Lawson Davenport.....	SA 3.....	North Platte
McNerney, Louise Elizabeth.....	A 1.....	Lincoln
McPhee, Clarisse Mary.....	G.....	Lincoln
McVeigh, Mabelle Rae.....	T 4, S.....	Lincoln
McVicker, Frederick Hugh.....	E 3.....	North Bend
Macauley, Margaret Ellen.....	S, SM.....	Clearwater
MacDonald, Rosmond May.....	S.....	Lincoln
Mace, Marguerite.....	SM.....	Columbus
Macdougall, Jennie.....	S.....	Lincoln
MacFarland, Ethel Lloyd.....	SM.....	Lincoln
Mach, C. J.....	Ex.....	Whitman
Mackey, Ethel.....	Ex.....	Alma
Mackie, Charlotte.....	SM.....	Rokeby
Maclaren, Isa Elizabeth.....	Au.....	Lincoln
Maclaren, Maude.....	SM.....	Lincoln
Mader, Elizabeth Belle.....	SA 1.....	Grand Island
Magee, Rosaline.....	A 2.....	Auburn
Magill, Alice.....	SA 2.....	Lincoln
Magor, Louis Roland.....	A 1.....	Brownville
Magor, Otis Edmund.....	CA 2.....	Brownville
Mahannah, Eulalia.....	SM.....	Lincoln
Maher, Nellie.....	SM.....	Lincoln
Mahood, Samuel Arthur.....	A 4.....	Columbus
Maish, Herbert.....	SA 2.....	Falls City
Malick, Jesse Uriah.....	P 2.....	Bloomington
Malleck, Lazarus Sayad.....	An.....	Armiah, Persia
Malmquist, Lynne Fay.....	A 2.....	Omaha
Malone, Celia Genevieve.....	A 2.....	Omaha
Malone, Florence.....	SM.....	Lincoln
Malone, Francis Frederick.....	G.....	Lincoln
Malone, J. J.....	Ex.....	Humphrey
Malone, Mary Rose.....	A 4, S.....	Omaha
Maloney, Edythe.....	SM.....	Eustis
Maloney, Jessie Ethel.....	A 1.....	Cozad
Malowney, James Robert.....	E 2.....	Wymore
Malsbary, Fay.....	T 2, FA, SM.....	Lincoln
Manahan, Carl Grant.....	A 1, FA.....	Arapahoe
Manley, Jesse Linton.....	SA.....	Lyons
Mann, George Russell.....	A 1.....	Ord
Mann, Mary Emma.....	A 3, S.....	Omaha
Mann, Olive Beulah.....	T 2.....	Rushville
Mann, William Rufus.....	G.....	Raymond
Mann, Mrs. W. R.....	SM.....	Eagle
Manning, Bessie.....	SM.....	Colorado Springs, Colo.
Manning, Ruth.....	SM.....	Colorado Springs, Colo.
Mausfield, Georgia.....	SM.....	Lincoln
Mantor, Edna Clara.....	S.....	Cozad
Mantor, Harry Lyman.....	M, cum laude.....	Omaha
Marcellus, Byrne Campbell.....	A 3.....	Lincoln
Marcellus, Edward Winfrid.....	G, SS.....	Lincoln
Marconitt, Fred Peter.....	L 2.....	Lincoln
Marey, Ida Letha.....	Au.....	Ellsworth
Marferding, Sarah Janet.....	G.....	Lincoln
Margaret, Sister.....	SS.....	Hastings
Martay, Pauline Eugenia.....	T 1, S, SM.....	Mason City
Marr, Madeline.....	T 1.....	Fremont

DIRECTORY OF STUDENTS

431

Marrs, Ralph M.	Ss.	Bayard
Marsch, Faye.	SM.	Lincoln
Marsh, Charles Ber.	SAs.	Fremont
Marsh, Harry Vernon.	A 1.	University Place
Marsh, Lola Mae.	SA 2.	Wisner
Marshall, Edwin Abbott.	CA 1.	Fremont
Marshall, George Andrew.	S.	Leigh
Marshall, Nellie White.	Au.	Lincoln
Marshall, Roy Edgar.	CA 1.	Lincoln
Martin, Alice Zota.	Au.	Lincoln
Martin, Charles Ellsworth.	E 1.	Lincoln
Martin, Charles Harry.	E 1.	Rising City
Martin, Frankie.	Ex.	Guide Rock
Martin, James Russel Ray.	E 2.	Holdrege
Martin, Minnie Alice.	Au.	Fairbury
Martin, Oliver Hazard.	CA 1.	Blue Hill
Martin, Paul Leroy.	A 1.	Sidney
Martin, Roy David.	M 3.	Omaha
Martin, Sarah Margaret.	T 4.	South Omaha
Martin, Wade Randall.	CA 3, S.	Lincoln
Martins, Robert Herman.	A 1.	Enid, Okla.
Martz, Clyde Ollen.	E 2.	Liberty
Mason, Bessie Pearl.	A 1, S.	Beaver City
Mason, John Glenn.	E 4, SM.	Lincoln
Mason, Margaret.	SM.	Lincoln
Massoth, Frank P.	S.	Geneva
Mastin, Addie.	A 1, S, Ex.	Republican City
Mather, Roy Frederick.	A 3.	Aurora
Mathews, Elsie Forest.	A 2.	Wymore
Matrau, Agnes.	A 2.	Norfolk
Matthews, Charles Curtis.	SA 1, S.	Lincoln
Matthews, Edna Luella.	Au.	Tekamah
Matthews, Homer Lawrence.	CA 4, S.	Auburn
Matson, Elmer Eugene.	SA 3.	Stromsburg
Matson, Enor.	Ex.	Bloomington
Maxfield, Beth Eloise.	T 3.	Lincoln
Maxfield, Don Deal.	SA 3.	Dorchester
Maxfield, Miriam Grace.	T 2.	Lincoln
Maxwell, Edwin George.	P 1.	Nemaha
Maxwell, Elizabeth.	S, SM.	Lincoln
Maxwell, James Taliaferro.	M 2, S.	South Omaha
Maxwell, Thomas.	Ex.	Fairbury
May, Arthur A.	E 1.	Gothenburg
May, Elizabeth Marker.	S.	Lincoln
May, Ida Leonore.	S.	Lincoln
May, Pearl Florence.	T 3.	Lincoln
Maybury, Lottie.	SM.	Neligh
Mayland, Marie.	SM.	Seward
Mayland, William Foster.	A 1.	Howard
Mazur, Rose.	SM.	Milwaukee, Wis.
Mead, Frank.	A 1.	Hastings
Mecham, Ina Rosella.	SA 2.	Grand Island
Medlar, Edgar Matthias.	M 2, G.	Crete
Meeker, Marie.	SM.	Lincoln
Meese, Charles Alexander.	Mu.	Lincoln
Meier, George Edward.	L 2.	Lincoln
Meier, Louis Francis.	S.	Lincoln
Melcher, Mabel Dorothy.	A 1, SM.	South Omaha
Melia, Katharine L.	S.	Melia
Melick, Florence Hazel.	Au, FA.	Bethany
Melton, Don Sigal.	SA 2.	Wallace
Meneely, Emma Catherine.	S.	Shawnee, Okla.
Mengel, Carl Wayne.	E 4.	Wahoo
Mensel, Earl Reed.	FA.	Lincoln

Mentzer, Irvin Eugene.....	SAs.....	Lincoln
Meredith, Fred Forest.....	Lu.....	Lincoln
Meredith, Louise.....	T 1.....	Lincoln
Meredith, Mamie.....	A 3.....	Lincoln
Meredith, Myrtle.....	SM.....	Lincoln
Merritt, Charley Demmon.....	E 3.....	Chadron
Merryweather, Elmer Charles.....	E 1.....	Valley
Mesropian, Herbert Newton.....	A 2.....	Edgar
Metcalf, Mabel Clare.....	T 3.....	Broken Bow
Metcalf, William Buehler.....	L 1.....	Lincoln
Metzger, Pattie Mary.....	CA 2, FA.....	Cedar Creek
Meyer, Carl Tzsuchuck.....	E 1.....	Lincoln
Meyer, Coralie Henrietta.....	T 4.....	Omaha
Meyer, Nettie.....	S.....	Bethany
Meyers, Gertrude Louise.....	A 2.....	Germantown
Meyers, William H.....	Ss.....	Blair
Mickel, Martha.....	SM.....	Harvard
Middlekauff, Earl Roscoe.....	SA 1.....	University Place
Middleton, Archie Donaldson.....	CA 1.....	Gothenberg
Middleton, William Owen.....	SM.....	Brady
Mielenz, Howard Hamilton.....	L 2.....	Wahoo
Milek, Otellia Elizabeth.....	A 1.....	Sturgis, S. D.
Milek, William Arthur.....	E 3.....	Lincoln
Miles, Seth Herbert.....	A 2.....	South Lancaster, Mass.
Miller, Alice Ruth.....	T 1.....	Kearney
Miller, Alma Hazel.....	A 2.....	Davenport
Miller, Ann Wilson.....	A 4.....	Culbertson
Miller, Arthur.....	SM.....	Julesburg, Colo.
Miller, Burdette Wabel.....	SA 1.....	Davenport
Miller, Charles Edward.....	E 4.....	Friend
Miller, Clarence Edison.....	T 1.....	Arapahoe
Miller, Donald Walters.....	A 1.....	Lincoln
Miller, Dorothy Tibbets.....	A 3.....	Lincoln
Miller, Edna E.....	SM.....	Davenport, Ia.
Miller, Edna Fern.....	Au, SM.....	York
Miller, Edna Grace.....	A 2, SM.....	Beatrice
Miller, Effie Irene.....	A 1.....	Kearney
Miller, Eleanor Tibbetts.....	G.....	Lincoln
Miller, Emma R.....	Ex.....	West Point
Miller, Florence.....	SM.....	Lincoln
Miller, John Louman.....	SA 2.....	Springfield
Miller, Jessie.....	SM.....	Lincoln
Miller, Louise.....	G.....	Lincoln
Miller, Lucy.....	SM.....	Omaha
Miller, Mattie.....	SM.....	Weeping Water
Miller, Maude Elizabeth.....	T 3.....	Lead, S. D.
Miller, May.....	A 2.....	Lincoln
Miller, Millie Lucile.....	A 3.....	Lincoln
Miller, Odes Bert.....	S.....	Brunswick
Miller, Robert Glen.....	M 4.....	Omaha
Miller, Swigart French.....	SAs.....	Holmesville
Miller, Talmage Eugene.....	CA 3.....	Greenwood
Miller, Warren Mahlon.....	A 1.....	Lincoln
Mills, Benjamin Harrison.....	SA 3.....	Arnold
Mills, Samuel Emerson.....	S.....	Ravenna
Mills, Thomas Curtis.....	E 1.....	Omaha
Millsap, Mark Irving.....	SAs.....	Marquette
Minier, Waldo B.....	SA 1.....	Craig
Minnich, Thomas Crawford.....	P 1.....	Palmer
Minor, Hallie.....	SM.....	Lincoln
Minor, Harry Ross.....	Au.....	Lincoln
Minor, Marie.....	SM.....	Morrill
Minor, Mary.....	SM.....	Hyannis
Minor, Selby.....	SM.....	Lincoln

DIRECTORY OF STUDENTS

433

Miskell, Berna Ann.....	CA 3, S, FA.....	Lincoln
Miskell, Clara May.....	A 1.....	Lincoln
Mitchell, Albert Caske.....	SA 3.....	Santee
Mitchell, Claude William.....	A 4, M 1.....	Lincoln
Mitchell, Coila.....	SM.....	Sheridan, Wyo.
Mitchell, D C.....	E 4.....	Lincoln
Mitchell, Helen Schwab.....	A 3.....	Lincoln
Mitchell, James.....	SM.....	Lincoln
Mitchell, Joseph Clark.....	S, Ex.....	Friend
Mitchell, Lulu.....	SM.....	Lincoln
Mitchell, Margaret.....	SM.....	Lincoln
Mizera, Frank Harold.....	L 1.....	Morse Bluff
Moberly, Josephine.....	Ex.....	Sterling
Mockett, Alice Julia.....	A 2.....	Lincoln
Mockett, Marie Kathryn.....	A 2.....	Lincoln
Mockett, Philip.....	SM.....	Lincoln
Mockridge, Drusilla Charlotte.....	Au.....	Lincoln
Mocroft, Velma.....	SM.....	Waverly
Modesitt, Carl Leland.....	A 4.....	Grand Island
Modlin, Jessie Fern.....	T 1, SM.....	Beaver City
Moecker, Edward Eugene.....	A 1.....	Lincoln
Moffett, Beatrice.....	Au.....	Lincoln
Mohler, L. E.....	Ex.....	Valley
Mohlman, John Johnson.....	S.....	Glenville
Mohrman, Charles A.....	Ex.....	Atkinson
Mollerstrom, Ella Theresa.....	S.....	Wahoo
Mollerstrom, Mabel Elizabeth.....	S.....	Wahoo
Monahan, Stephen Drury.....	A 1.....	York
Monbeck, Roy Royer.....	E 3.....	Lincoln
Money, O. W.....	Ex.....	Berlin
Monier, Vivian.....	SM.....	Lincoln
Monnich, Edward Jacob.....	SA 3.....	Hoopar
Monroe, Ernest Franklin.....	Ss, Ex.....	Shelton
Monson, Andrew Magnus.....	CAu.....	Osceola
Monson, Walter Albert.....	A 4, L 1.....	Osceola
Montank, Irwin Aaron.....	CA 1.....	Deadwood, S. D.
Montgomery, Glenn Edgerton.....	E 1.....	Raymond
Montgomery, Igerna.....	CA 1, FA.....	Lincoln
Montgomery, Ora Claire.....	E 2.....	Scribner
Montgomery, Victor Letson.....	E 1.....	Albion
Moon, Charles Frank.....	A 2.....	Ashland
Moore, Alice.....	SM.....	Lincoln
Moore, Calvin Turner.....	E 3.....	Hartsville, Ind.
Moore, Charles Eugene.....	SAs.....	Decatour
Moore, Elsie May.....	SM.....	Seward
Moore, Emily Gertrude.....	G.....	Lincoln
Moore, Julia Ann.....	S.....	Denton
Moore, Roy Walter.....	E 1.....	Seward
Moorman, Claire.....	Ex.....	Chadron
Morehead, Dorothy Lee.....	SM, T 3.....	Falls City
Morehouse, Nye Franklin.....	L 2.....	Fremont
Morey, Constance.....	T 1.....	Nebraska City
Morgan, Ada Mabel.....	T 4.....	Lincoln
Morgan, Janice Elizabeth.....	SM, Au.....	Lewis, Ia.
Morgan, Joseph Harney.....	L 3.....	Stuart
Morgan, Kathryn Jennie.....	T 1.....	Lincoln
Morgan, Loring Edwin.....	A 4.....	Lincoln
Moritz, Clara Pauline.....	S.....	Davey
Morley, Bert Elsworth.....	E 1.....	St. Paul
Morley, Frances.....	SM.....	Lincoln
Morley, Grace.....	SM.....	Lincoln
Morrasy, Albert Clayton.....	SA 3.....	Lincoln
Morrell, Emma Enid.....	G.....	Palmyra
Morris, Genevieve.....	SM.....	Lincoln

Morris, Helen.....	SM.....	Lincoln
Morris, Llewelyn E.....	SA 3.....	Carroll
Morris, Virginia.....	A 1.....	Corning, Ia.
Morrison, Ella King.....	A 1, SM.....	Lincoln
Morrison, Estelle Rees.....	A 4.....	Lincoln
Morrison, James Victor.....	A 1.....	Omaha
Morse, Jennie Cornelia.....	A 1.....	Fremont
Morse, Marjorie Esther.....	Au.....	Lincoln
Mortenson, Mamie.....	Ss.....	Aurora
Morton, William Henry.....	Ss, Ex.....	Fairmont
Moseley, Ralph Stuart.....	L 1.....	Lincoln
Moseley, Thomas Wesley.....	CA 1.....	Lincoln
Moses, Mrs. Perlotto.....	CAu.....	Shoshone, Wyo.
Moss, Eben Willard.....	SAs.....	Ord
Moss, Marjorie.....	SM.....	Lake Charles, La.
Moss, Simeon M.....	S.....	Fairbury
Mossman, Gladys Eloise.....	A 1.....	Lincoln
Motis, Estelle A.....	SM.....	Tobias
Mottinger, Alvina Louise.....	Ss, Ex.....	Merna
Mottinger, Charles Wesley.....	Ss, Ex.....	Merna
Mouser, Hazel Gertrude.....	T 1, SM.....	Red Oak, Ia.
Mowry, Cleo Jesse.....	E 3.....	Geneva
Mowry, James B.....	E 1.....	Geneva
Moyer, Torrence Calvin.....	A 3, M 1.....	New Berlin, Pa.
Mozar, Abe.....	SM.....	Lincoln
Muir, Florabel.....	A 1.....	Lincoln
Muir, Harriet Gilrye.....	Au.....	Lincoln
Mullen, Bernard Sebastian.....	E 1.....	O'Neill
Mullen, John Clancy.....	L 2.....	O'Neill
Mullen, Phoebe.....	Au.....	Lincoln
Mulligan, Harold Rowe.....	A 1.....	Beatrice
Mummau, H. J.....	Ex.....	Mitchell
Munday, Frank John.....	L 1, Ex.....	Edison
Munday, Grace Courtright.....	Au.....	Lincoln
Munger, Alfred Case.....	A 2.....	Lincoln
Munger, Arbor Day.....	A 1.....	Delvein, Ia.
Munger, Julia May.....	S.....	Hershey
Munn, George Alvin.....	A 1.....	Ord
Munn, Ohio Nebraska.....	E 4.....	Nebraska City
Muntz, Gusta.....	S.....	Garrison
Munson, Earle Walter.....	A 3, M 1, SM.....	Aurora
Munson, Elroy Stewart.....	A 3.....	Aurora
Munson, Grace Esther.....	T 2.....	Orleans
Munson, Pearle.....	SM.....	Lincoln
Murphey, Eleanor.....	S.....	Crete
Murphey, Ralph Burnett.....	CAu.....	Crete
Murphy, Edward Emmett, Jr.....	E 1.....	Leavenworth, Kans.
Murphy, Mabel.....	S.....	Colon
Murphy, Myrtle Bessie.....	Au, SM.....	Brady
Murphy, Theresa Pearl.....	S.....	Homer
Musser, Esther Barr.....	CA 1.....	Loup City
Musser, Henry Barr.....	SA 2.....	Lincoln
Mutz, Sterling Faan.....	L 2.....	Burton
Myatt, Ida May.....	T 4.....	David City
Myers, Benjamin Lee.....	M, cum laude.....	Omaha
Myers, Wilson Alexander.....	M 2, S.....	Lincoln
Nafziger, Edward Paul.....	T 1.....	Fairbury
Nagl, Julia Margaretha.....	T 3.....	Omaha
Nash, Kenneth Earl.....	SA 3.....	Benson
Nason, Helen Charissa.....	Tu.....	Omaha
Naumann, Margaret Anna.....	Tu.....	Columbus
Neal, Lulu.....	T 1.....	University Place
Nedie, Bertha.....	T 4.....	Ft. Calhoun
Needham, Daisy Jeanette.....	G.....	Bostwick

Neff, Adolph Anton.....	E 3, S.....	Nebraska City
Neff, Nat Henry.....	CA 2.....	Lincoln
Nefsky, Milton.....	SM.....	Lincoln
Nefsky, Ruth.....	SM.....	Lincoln
Negley, Noel Ardis.....	T 2.....	Ansley
Neighbors, Grace A.....	Ex.....	Bayard
Nelson, Anton Emanuel.....	SAu.....	Lincoln
Nelson, Candis Jane.....	G.....	Lincoln
Nelson, Carl Herbert.....	SA 2.....	Hooper
Nelson, Charles Harry.....	SA 1.....	Inland
Nelson, Chris Seth.....	SAs.....	Elba
Nelson, David Edgar.....	SA 1.....	Lyons
Nelson, Edwin Clark.....	SA 1.....	Superior
Nelson, Enoch Wesley.....	CA 2.....	Lincoln
Nelson, Ernest Wilford.....	SAs.....	Genoa
Nelson, Mrs. Gilbert.....	SM.....	Brush, Colo.
Nelson, Golda Bessie.....	A 4.....	Lincoln
Nelson, Hermann Arthur.....	SA 3.....	Oakland
Nelson, Irvin Andrew.....	SA 3.....	Pilger
Nelson, Julius William.....	SAs.....	Dannebrog
Nelson, Laurel Ernest.....	SAs.....	Belvidere
Nelson, Lillian Eliza.....	S.....	Valentine
Nelson, Mabel Esther.....	T 4.....	Lincoln
Nelson, Mae.....	SM.....	Lincoln
Nelson, Otto Clarence.....	SA 3.....	Scandia, Kans.
Nelson, Paul LeRoy.....	A 1.....	Lincoln
Nelson, Peter.....	SAs.....	Harvard
Nelson, Petrus Christophus.....	SAs.....	Stromsburg
Nelson, Roy Leslie.....	A 4.....	Oakland
Nelson, Sherman.....	A 1.....	Oakland
Nelson, Wallace Julius.....	E 1.....	St. Edwards
Nesbitt, John Arthur.....	A 1.....	Tekamah
Nesbitt, Orpha Ellen.....	G.....	Pawnee City
Neuman, Gertrude.....	SM.....	Hallam
Neumann, Gustav Adolph.....	G.....	Lincoln
Neumann, John Henry.....	P 1.....	Lewiston, Minn.
Newbranch, Grace Virlian.....	A 3.....	Lincoln
Newell, C. E.....	Ex.....	Oakland
Newell, Edna.....	SM.....	Winona, Mo.
Newell, Hiram Edgar.....	E 4.....	Beatrice
Newell, Lawrence E.....	A 4.....	Minden
Newman, Allen Thurman.....	A 2, S.....	Hebron
Newman, Cora Anna.....	T 3.....	University Place
Newman, John Wright.....	Mu.....	Aurora
Newman, Meyer Harris.....	M 4.....	Omaha
Newman, Minnie Mae.....	A 4.....	Lincoln
Newmyer, Clara Anna.....	T 1.....	Jyons
Newton, Beulah.....	FA.....	Lincoln
Newton, Harold.....	SM.....	Lincoln
Nicholls, Carroll Clifford.....	E 1.....	Kenesaw
Nichols, Fred Truman.....	L 3.....	University Place
Nichols, Theo B.....	CA 1.....	Atlantic, Ia.
Nicholson, Hugo McLernon.....	L 3.....	Wisner
Niehus, William Frank.....	SA 2.....	Springview
Nielsen, Ada Margaret.....	SM, A 2, FA.....	Oxford
Nightingale, Herbert Spencer.....	L 2.....	Loup City
Nims, Mabelle Zoe.....	G.....	Humboldt
Nippert, Ward Ellsworth.....	E 2.....	Bruning
Nisley, Isaac Johnston.....	L 2.....	Lexington
Nisley, Joe Edward.....	SA 1.....	Lexington
Nissen, Elma.....	Au.....	Kennard
Nixon, Harry Stilwell.....	E 4.....	South Omaha
Noble, Harold Miller.....	A 3.....	Lincoln
Noelting, William Henry.....	E 2.....	Nebraska City

Noland, Shirley Burr.....	SA 1.....	North Platte
Nombalais, Florence Amella.....	A 1.....	Stella
Noone, Joseph John.....	A 1.....	Omaha
Northrop, Frank E.....	A 4, L 1.....	Miller
Northrup, Louise.....	T 1.....	Omaha
Norton, Monte Ulysses.....	E 1.....	Wymore
Norton, Ruth.....	SM.....	Lincoln
Nothomb, Henry V.....	SAu.....	Geneva
Novotny, Frank Joseph.....	SAs.....	Clarkson
Novotny, Jaroslav.....	SA 1.....	Clarkson
Novotny, Mary.....	Ex.....	Center Point
Noyes, Bessie.....	A 3, S.....	Lincoln
Nunemaker, Meda.....	SM.....	Tobias
von Nusbaum, Erich.....	A 4, SM.....	Lincoln
Nye, Florence Elizabeth.....	A 1, FA.....	Pawnee City
Nye, Homer LeRoy.....	SA 3.....	Lexington
Oak, Emma Josephine.....	T 2.....	Hot Springs, S. D.
Oates, Frank.....	SM.....	Lincoln
Oberfelder, Arthur Milton.....	A 3.....	Sidney
Oberkotter, L. M.....	Ss.....	Lincoln
O'Connell, James.....	Ss, Ex.....	Loup City
O'Connor, James Walker.....	E 3.....	Lincoln
O'Connor, Mary.....	Au.....	Lincoln
O'Dell, Edwin O.....	SAu.....	Central City
O'Donnell, Nora Mary.....	S.....	Colon
Oehme, Johanna.....	SM.....	David City
Oest, Williams Charles.....	E 2.....	Lincoln
Ogden, Hattie Ruth.....	T 3.....	Geneva
Ohlsen, Edith Violet.....	CA 2.....	Oakland
Ohlsen, Herman Arthur.....	E 2.....	Loup City
Ohlsen, William Henry.....	E 2.....	Loup City
Ohlsen, Winnie Atunia.....	SA 2.....	Oakland
Ohlson, Ilah Belle.....	S.....	Cambridge
Ohmstede, Bertha.....	SM.....	Guide Rock
Ojers, Samuel Peter.....	SAu.....	Crete
O'Kane, Lena Alberta.....	G.....	Ithaca
Okey, John Edgar.....	A 4.....	Lincoln
O'Kief, Bernice Agatha.....	A 1.....	Wood Lake
Oliver, Jarrett.....	E 1.....	Randolph
Oliver, Vera.....	S.....	Ashland
Ollerman, Parker Lewis.....	E 1.....	Blair
Ollis, Ethel Marie.....	SA 2.....	Ord
Ollis, Ruth Eleanor.....	SA 1.....	Ord
Olmstead, Everett Horace.....	E 3.....	Bartley
Olmstead, Lewis Bertie.....	G, S, Ss.....	Lincoln
Olmstead, Malla.....	Ex.....	York
Olsen, Walter Wilmer.....	SAs.....	Greenwood
Olson, Arthur Julius.....	SAs.....	Swedeburg
Olson, Ole.....	G.....	Lincoln
Olson, Oscar Leonard.....	E 4.....	York
Olsson, Judith.....	SM.....	Lexington
Olsson, Justus Edgar.....	M 4.....	Omaha
O'Neal, Jessie.....	SM.....	Lincoln
O'Neal, William R.....	SAu.....	Wayne
O'Neil, Frank Bernard.....	E 1.....	Jackson
Opp, John P.....	Ss.....	Beaver Crossing
Orlofsky, Anna.....	FA, S.....	Lincoln
Orlofsky, Goldie.....	FA.....	Lincoln
Orlofsky, Sylvia.....	A 2.....	Lincoln
O'Rourke, Edward.....	E 2.....	McCook
Orr, Alice D.....	S.....	Omaha
Orr, Fred Loper.....	A 2.....	Craig
Orr, Raymond.....	SM.....	Lincoln
Osborn, Emma Caroline.....	T 4, S.....	Lincoln

Osborne, Dean Horace.....	SA 2.....	Bayard
Osborne, Florence Lois.....	A 3.....	Missouri Valley, Ia.
Osborne, Harold Allen.....	A 2.....	Genoa
Osterhout, Fay.....	A 2, FA.....	David City
Osterhout, Lyle Clair.....	A 2.....	David City
Ostrander, Ada Emily.....	T 4.....	Crab Orchard
Otto, Homer N.....	SA 1.....	Phillips
Otto, Roy B.....	SA 1.....	Aurora
Outhouse, Emma Gerdes.....	T 3.....	Loup City
Outhouse, Meroe Jaynes.....	T 3.....	Loup City
Overman, Carl Martin.....	E 2.....	Lincoln
Owen, Hubert Keyes.....	L 1, S.....	Omaha
Owen, Lewis Rees.....	E 1.....	Johnstown, Pa.
Packard, Alice Lydia.....	A 1.....	Lincoln
Packwood, Oma Oella.....	S.....	Arapahoe
Paddock, Esther Crippen.....	SM, Au.....	Lincoln
Paddock, May Grace.....	A 1.....	Lincoln
Pade, Emma Madeline.....	T 1.....	McCook
Page, Lenora M.....	Ss.....	Chadron
Paine, Charles Kenneth.....	Eu.....	Lincoln
Paine, Emerson K.....	SAu.....	Fairbury
Palmer, Arthur Lundin.....	A 4.....	Louisville
Palmer, Charles Edward.....	M 2.....	Worland, Wyo.
Palmer, Ella May.....	Au.....	Fairmont
Palmer, Irwin Ross.....	A 2.....	Fairfield
Palser, Edgar Seymour.....	SAs.....	North Loup
Papez, Emma.....	SA 2.....	South Omaha
Papez, Emilie Barbara.....	Au, SM.....	Albion
Parfitt, Lillion.....	Au, SM.....	Topeka, Kans.
Park, Evelyn Viola.....	CA 1.....	Omaha
Park, Young M.....	A 1, S.....	Seoul, Korea
Parker, Mary A.....	Ex.....	Bloomfield
Parker, Maude.....	SM.....	Lincoln
Parks, Elizabeth.....	SM.....	Lincoln
Parks, Harrell Leonard.....	SA 2.....	Ord
Parks, Lorna.....	SM.....	Lincoln
Parmelee, Alfred Edwin.....	CA 1, A 1.....	Lincoln
Parrott, Stella Viola.....	A 1, SM.....	Albion
Parsons, Howard John.....	SAs.....	Norfolk
Pascoe, Mary.....	SA 2.....	Fremont
Pate, W. R.....	Ex.....	Sidney
Patrick, Bert.....	A 1.....	Aurora
Patrick, Claude Bartlette.....	CA 1.....	Beatrice
Patterson, Albert Raymond.....	CA 1.....	Omaha
Patterson, Edith Lindsley.....	G.....	North Platte
Patterson, Edward James.....	A 3.....	Central City
Patterson, Harry.....	A 1.....	Central City
Patterson, Robert Wortman.....	A 2.....	Lincoln
Patton, Edna Emma.....	A 1.....	Macedonia, Ia.
Paul, Harvey Earl.....	A 1.....	Superior
Paulus, Frederick William.....	SA 1.....	Inland
Pearse, Henry Bennett.....	E 2.....	Genoa
Pearse, Lillian Carrie.....	T 1.....	Genoa
Pearson, Bessie Leah.....	SA 1.....	Creighton
Pearson, Clara Helen.....	T 2.....	Wilcox
Pease, Harry Allen.....	SA 3.....	Farragut, Ia.
Peck, Helene Dresser.....	A 1, FA.....	St. Paul, Minn.
Peery, Charles B.....	A 1.....	Auburn
Pegler, Ethel Artha.....	T 2.....	Lincoln
Peiterson, Arne Kristopher.....	S.....	Elk Horn, Ia.
Pelander, Harry.....	SM.....	Holdrege
Pelton, Charles Lyle.....	SAs.....	Du Bois
Pendarvis, Naomi.....	SM.....	Friend
Penney, Clifford Manley.....	A 4, S.....	Oakland

Peepoon, Philip Wendell.....	S, Ss.....	Lincoln
Percy, Otto Warren.....	A 1.....	Crawford
Perdue, Bess Frances.....	A 1.....	Lincoln
Perkins, Ethel Marie.....	A 4.....	Lincoln
Perley, Marie Huntress.....	Au, S.....	Lincoln
Perrin, Courtney Dale.....	L 1.....	Lincoln
Perrin, Edna.....	A 3.....	Lincoln
Perrin, Florence Elizabeth.....	A 1.....	Lincoln
Perrin, Hazel.....	CA 1.....	Lincoln
Perry, Harry Otis.....	A 4, L 1.....	Lincoln
Persinger, Mary Eudora.....	T 4, S.....	Lincoln
Person, Ernest Theodore.....	SA 3.....	Holdrege
Perusse, Francis J.....	S.....	Lincoln
Pestal, Gustave Adolph.....	T 3.....	Wahoo
Pester, Arthur James.....	SA 1.....	University Place
Petersen, Laura Margaret.....	A 2.....	South Omaha
Peterson, Alfred Martin.....	SAs.....	Mason City
Peterson, Elsie Della.....	CAu.....	Cedar Rapids
Peterson, Emil S.....	SAs.....	Stromsburg
Peterson, Frank August.....	L 3.....	Lincoln
Peterson, Julia Annie.....	SM.....	Lexington
Peterson, Nell Kendall.....	CA 1.....	Aurora
Petrashek, George Leon.....	CA 3.....	Humboldt
Petring, George Kimmel.....	SA 2.....	Nebraska City
Pettijohn, Laura Anna.....	A 4.....	Long Pine
Pettis, Dorothy.....	SM.....	Lincoln
Pettis, DeCalb Osee.....	A 1.....	Lincoln
Pettit, Fred.....	SM.....	Lincoln
Pettit, Juanita.....	FA.....	Lincoln
Petty, William.....	SM.....	Lincoln
Pfeiffer, Ernst.....	A 1, M 1.....	Princeton
Pfeiffer, Laura Bell.....	G.....	Lincoln
Pflug, George C.....	E 1.....	Exeter
Pflug, Grace Gertrude.....	A 1.....	Papillion
Phares, Earnest Henry.....	L 1.....	Red Cloud
Phares, Lewis Sheridan.....	E 1.....	Red Cloud
Phelps, Vernon George.....	Mu, A 1.....	Lincoln
Phillipsen, Moldt Henry.....	SA 1.....	Hickman
Phillips, Clark L.....	M 2, S.....	Yutan
Phillips, Clifford Fuller.....	A 1.....	Beatrice
Phillips, Dorothy Phyllis.....	SA 2.....	Lincoln
Phillips, Omer Delos.....	SA 1.....	Tecumseh
Phillips, Richard Allison.....	CA 2.....	Lincoln
Phillipson, Pete.....	SAu.....	Holbrook
Pickel, Catherine Louise.....	T 3, S.....	Lincoln
Pickens, Rex.....	SA 2.....	Powell
Pickering, Bethel Leonora.....	Au, FA.....	Lincoln
Pickering, Lois.....	SA 2.....	Steele City
Pickering, Philip John.....	SA 1.....	Steele City
Pickett, E. C.....	Ex.....	Arnold
Pieper, Christian.....	S.....	Lincoln
Pierce, Alma L.....	Au.....	Lincoln
Pierce, Clarence Arthur.....	T 3.....	Albion
Pierce, John Henry.....	SA 3.....	Atlanta
Pierce, Orville Hugh.....	A 2, S.....	Lincoln
Pierce, Paul Harold.....	E 3.....	Lincoln
Pierce, Russell Kurtz.....	A 1.....	Fremont
Pike, James Edward.....	E 3.....	Stromsburg
Pillans, Edward Palmer.....	G.....	Tekamah
Pipal, Francis John.....	Ex.....	Benkelman
Piper, Elsie Mahel.....	S.....	Ashland
Piper, Jennie Louise.....	G.....	Lincoln
Piper, Mamie Amanda.....	Au.....	Lyons
Piper, Mary.....	SM.....	Lyons

Piper, Mildred Olive.....	T 2.....	Lyons
Plasters, Alma Grace.....	A 1.....	Stella
Plasters, Warren Howard.....	A 3.....	Stella
Platz, Nellie Maybelle.....	S.....	Lincoln
Plehn, Wallace Gehman.....	E 2.....	Scottsbluff
Plumb, Donovan Donald.....	E 3.....	Lincoln
Plumb, Henry Hammond.....	E 3.....	Lincoln
Plybon, Walter.....	S.....	Nehawka
Poland, Hazel Ione.....	Au, SM.....	Fairbury
Polk, Gilbert Cameron.....	E 2.....	Louisville
Polleys, Dorothy Josephine.....	FA.....	Lincoln
Polleys, Edgar Garwood.....	CA 4.....	Lincoln
Pomerene, Joel DeWitt.....	L 1.....	Lincoln
Pomeroy, Alice Reynolds.....	T 3.....	Lincoln
Pont, Ervine Emery.....	A 1.....	Stanton
Pool, Albert.....	CA 3.....	Lincoln
Pool, Raymond John.....	G.....	Lincoln
Pop, Frank Joseph.....	SAs.....	Weston
Pope, Blanche Emily.....	A 1, FA.....	Red Cloud
Pope, Elizabeth B.....	A 2.....	University Place
Pope, Jessie Pearle.....	T 2.....	Lincoln
Pope, Mabel Maude.....	A 1.....	Red Cloud
Poppen, John Albert.....	SAs.....	Weyerts
Porr, Alvin Arthur.....	CA 1.....	Humboldt
Porter, Guy Livingston.....	E 2.....	Alma
Porter, Howard Willard.....	E 1.....	Grand Island
Posey, John Royal.....	A 1.....	Hubbell
Poska, Rebecca Ruth.....	A 3.....	Lincoln
Posson, Rutherford Jay.....	SA 2.....	Eureka
Post, Robert Dunn.....	E 2.....	Stromsburg
Poston, Harry.....	S.....	Lincoln
Pothast, Edith.....	SM.....	Lincoln
Potter, Herbert McPheely.....	A 1.....	Seward
Potter, Herbert William.....	A 4.....	Omaha
Potts, John Beekman.....	M, cum laude.....	Omaha
Potts, Madge J.....	M 1, S.....	Broken Bow
Pound, Sadie.....	S, FA.....	Lincoln
Powell, Alfreda.....	A 4, FA.....	South Omaha
Powell, Effie L.....	SA 2.....	Lincoln
Powell, Harry Steward.....	A 1, SM.....	Hebron
Powell, Leota Fay.....	FA.....	Lincoln
Powell, Ward Hughes.....	A 3, M 1.....	Overton
Power, John Franklin.....	A 3, L 1.....	Ponca
Power, Walter Robert.....	A 2.....	Ponca
Powers, Josephine.....	SM.....	Lincoln
Powers, Mae.....	SM.....	University Place
Pratt, George Peyton.....	A 4, M 1.....	Lincoln
Pratt, Harlan Allen.....	E 1.....	Meadow Grove
Pratt, Laura.....	SM.....	Lincoln
Prey, Ethel.....	SM.....	Omaha
Price, Ruth Amelia.....	G.....	Lincoln
Prickett, Bernice Marie.....	A 3.....	Fairfield
Priesner, Wilhelmine Fredericka.....	S.....	Lincoln
Prince, Harold Aubrey.....	A 1.....	Grand Island
Pringle, Ernest Eugene.....	G.....	College View
Pritchard, George Winthrop.....	M, cum laude.....	Omaha
Proud, George Curtis.....	L 3.....	Holbrook
Proudfit, Frank Sabin.....	A 3.....	Lincoln
Provaznik, William Joseph.....	E 4.....	Omaha
Provost, Belva.....	SM.....	York
Prowett, Harold Leslie.....	SAs.....	Fullerton
Ptacek, Eva Carolyn.....	T 2.....	David City
Pugh, Dale.....	A 1.....	Lincoln
Pugh, Donald.....	SM.....	Lincoln

Pugsley, Charles William.....	G.....	Lincoln
Purinton, Alice McClellan.....	G, S.....	Wilcox
Purkhizer, Lillian Albertine.....	S.....	Lincoln
Putcamp, Fanny Elizabeth.....	A 1.....	Omaha
Putnam, John Jacob.....	G.....	Gibbon
Putney, Lucy Boomer.....	Au, S.....	Lincoln
Putney, Nellie Ada.....	Ex.....	Norfolk
Queal, Ralph William.....	E 3.....	Lincoln
Quinn, Jessie H.....	A 1.....	Gothenburg
Quinn, Mabel.....	A 1.....	Lincoln
Quivey, Lynn Arthur.....	S, Ex.....	Cozad
Raasch, Earl John.....	SAs.....	Farnam
Raber, Hazel Elaine.....	A 3.....	Stuart
Radcliffe, Clayton Samuel.....	A 1.....	Sidney
Rader, Beulah Scott.....	A 3.....	Lincoln
Ragan, Will Emmor.....	Mu.....	Utica
Rait, Donald DeWitt.....	E 1.....	Lincoln
Rand, Mathias.....	SA 2.....	Bradish
Ramey, Janet Louise.....	Au.....	Lincoln
Ramey, Mason.....	E 1.....	Exeter
Randall, Edna May.....	A 2.....	Oberlin, Kans.
Randall, Margaret Emily.....	A 3.....	Newman Grove
Randall, W. I.....	SAu.....	Genoa
Randall, William Leslie.....	A 1.....	Omaha
Randolph, Ruth.....	A 1.....	Omaha
Rands, Julia Frances.....	S.....	Lincoln
Rands, Robert Delafield.....	CA 1.....	Lincoln
Rands, Sarah J.....	S.....	Lincoln
Range, Bertha Emma.....	A 2, S.....	Lincoln
Rankin, Rexford Charles.....	L 1.....	Havelock
Ransom, Alice.....	SM.....	Bancroft
Rasmussen, LeRoy Lenard.....	E 1.....	Brady
Rasmussen, Otto Marion.....	SAs.....	Scotia
Ratcliff, John Anderson.....	CA 2.....	Tryon, Okla.
Ratcliff, Josiah French.....	L 2.....	Stratton
*Ratcliffe, C. H.....	Ex.....	Grand Island
Rathbone, Samuel Harvey.....	A 3, CA 3.....	Lincoln
Rathbun, F. E.....	SAu.....	Palisade
Ravenscroft, Royal Morton.....	A 1.....	Ainsworth
Rawlings, Gladys.....	SM.....	Lincoln
Ray, George Webster.....	A 1.....	Bladen
Ray, John E.....	Ex.....	Grafton
Ray, Robert B.....	Ex.....	Eustis
Raymond, Anan Richard.....	A 3, SM.....	Fairmont
Rea, Hagey Burton.....	E 2.....	Lincoln
Reddish, Robert Owen.....	L 2.....	Alliance
Redfern, Mrs. D. L.....	SM.....	Lincoln
Redfield, Jennie Louise.....	Au.....	Omaha
Reed, Ben.....	SM.....	Adams
Reed, Carolyn.....	SM.....	Lincoln
Reed, Della M.....	Ex.....	Alliance
Reed, Genevieve.....	SM.....	Lincoln
Reed, Gertrude.....	S.....	Millford
Reed, Guy Euclid.....	A 3.....	Lincoln
Reed, Isa Dolores.....	T 3, S.....	Lincoln
Reed, Mary.....	SM.....	Lincoln
Reed, Merrill.....	SM.....	Lincoln
Reed, Rollie Ray.....	M 4.....	Omaha
Reed, Thomas Mangan.....	SA 2.....	Lexington
Reed, Zora.....	SM, Au.....	Greeley Center
Reeder, Catherine.....	T 3.....	Lincoln
Reeder, George Samuel.....	A 2, E 2.....	Columbus

Rees, David.....	SA 3.....	Carroll
Rees, Maude E.....	Ex.....	Wallace
Reese, Sidney Ober.....	A 1.....	Randolph
Reeves, Della.....	SM.....	Bethany
Reeves, William Marshall.....	G.....	Bethany
Reid, Andrew Joseph.....	SA 3.....	Brooklyn, N. Y.
Reid, Charles.....	SM.....	Lincoln
Reid, Erle Hamilton.....	L 2.....	Lincoln
Reid, Ira George.....	SAs.....	Primrose
Reed, Jessie.....	SM.....	Wyncote, Wyo.
Reid, Jessie Lillian.....	A 1.....	Lincoln
Reid, Sarah Margaret.....	Au.....	Lincoln
Reid, Velma.....	SM.....	Corning, Ia.
Reid, Will A.....	SM.....	University Place
Reime, Thomas R.....	SA 1.....	Loomis
Reimer, William.....	Au.....	Bartley
Rein, Clifford Louis.....	A 1.....	Loup City
Reinsch, Frank Herman.....	G, S.....	Shickley
Reinsch, John Frederick.....	A 1.....	Lincoln
Relf, Josiah Frank.....	E 3.....	Lincoln
Remer, Fred B.....	SAu.....	Hastings
Remy, Charles Edward.....	M 4.....	Omaha
Resler, John Clarence.....	A 4.....	Wilsonville
Resner, Herbert Andrew.....	A 2.....	Omaha
Reyner, Charley Henry.....	SA 1, S.....	Broken Bow
Rhea, Nella.....	SM.....	Lexington
Rhodes, Guy Worthington.....	E 1.....	South Auburn
Rhodes, Leroy.....	E 1.....	Creighton
Rice, Alden Nixon.....	S.....	Lincoln
Rice, John Lawrence.....	L 3.....	McCook
Rice, Nettie Irene.....	Au, SM.....	Lincoln
Rice, Ray Everette.....	A 3.....	Lincoln
Rice, Rilla Mildred.....	Au.....	Lincoln
Rice, Robert Enos Benjamin.....	A 2.....	Central City
Rich, Alvin Ralph.....	E 1.....	West Point
Richards, Edward Erle.....	L 3.....	Oregon, Mo.
Richards, Grace.....	T 3.....	South Bend
Richards, Ivy Ona.....	A 1.....	Sloan, Ia.
Richards, May Louise.....	SM.....	Lincoln
Richards, Willamina Cooke.....	A 3.....	Lincoln
Richardson, Mary Wauneta.....	SM.....	Lincoln
Richardson, Norma Elizabeth.....	Au.....	Red Cloud
Richardson, William.....	SM.....	Lincoln
Richardson, W. F.....	Ex.....	Battle Creek
Richey, Justus Livingston.....	G.....	Plattsmouth
Richey, Harry Wyatt.....	SA 2.....	Omaha
Riddell, Florence Edna.....	A 4.....	Lincoln
Rigdon, Harry Pryor.....	CA 1.....	Fairbury
Riggs, George Burton.....	SA 3.....	Shubert
Riley, Charles Lewis.....	Mu.....	Wisner
Riley, Ivy.....	CA 1.....	Wisner
Ring, Penelope Patch.....	T 2.....	Lincoln
Ring, Susannah Candace.....	SA 1.....	Cheney
Ringer, Vera.....	Ss.....	Davenport
Rinker, Jay Guy.....	P 2.....	Lincoln
Rippey, John Raymond.....	E 2.....	Lincoln
Risdon, Sarah.....	SM.....	Lincoln
Risser, Hulda.....	SM.....	Wisner
Ritchie, Charles Bird.....	SAs.....	Florence
Ritchie, Ruth Harriet.....	SA 3.....	Seward
Ritchie, William, Jr.....	L 1.....	Bridgeport
Rivett, Paul Sheldon.....	A 2.....	Lincoln
Roach, Bertha Alice.....	A 2.....	Idana, Kans.
Robbins, Anna.....	SM.....	Lyons

Robbins, Ida Lute.....	G.....	Lincoln
Robbins, Mary Ethel.....	A 1.....	Lincoln
Roberts, Arthur Lester.....	SA 2.....	Joy
Roberts, Bessie Mabel.....	A 2.....	O'Neill
Roberts, Florence Edna.....	SA 2.....	Hebron
Roberts, Lyle Jay.....	A 1.....	Omaha
Roberts, Mary.....	A 1.....	Alma
Roberts, William Emanuel.....	SAs.....	Gordon
Robertson, Abbie May.....	SM.....	University Place
Robertson, Bess.....	S.....	Dakota City
Robertson, Edwin.....	SM.....	University Place
Robertson, George William.....	E 1.....	Wymore
Robertson, Gilbert James.....	SAu.....	Beatrice
Robertson, Guy Allen.....	E 3.....	Omaha
Robertson, Lorn Cleveland.....	CA 1.....	Iota, La.
Robey, Ora Gertrude.....	Au.....	Rising City
Robins, Rhoda.....	S.....	Streator, Ill.
Robinson, Della Mary.....	A 1, FA.....	Waterloo
Robinson, Edward Temple.....	A 1.....	Waterloo
Robinson, Gladys.....	SM.....	Wahoo
Robinson, Jay.....	SA 2.....	Poole
Robinson, Ralph Cornell.....	SA 1.....	Bethany
Robinson, Sylvester.....	E 1, S.....	Lincoln
Roche, Joseph.....	E 1.....	Atkinson
Rodekahr, Edwin C.....	SAs.....	Battle Creek, Mo.
Rodekahr, Otto A.....	SAs.....	Elmo, Mo.
Rodgers, Verna.....	Ex.....	Merna
Rodman, Blanche Elizabeth.....	Au.....	Blair
Rodman, James Albert.....	A 2.....	Sidney
Roebing, Mary.....	SM.....	Omaha
Roeck, Rosa.....	SM.....	Lincoln
Roen, Paul Brandt.....	A 2.....	Columbus
Rogers, David Miles.....	A 2.....	Randolph
Rogers, Dorothy.....	SM.....	Lincoln
Rogers, Frances Harriet.....	S.....	Bennett
Rogers, Paul Martin.....	A 1.....	Ragan
Rogers, Thomas Clinton.....	A 1.....	Ragan
Rogers, Virginia Noyes.....	A 3.....	Minden
Rogosch, Carl Frederick.....	P 1.....	Ponca
Rohde, Frank Edwin.....	E 3.....	Lincoln
Rohman, Carl Philip.....	L 2.....	Lincoln
Rohman, Essabell.....	SM.....	Lincoln
Rohn, John Fred.....	L 1.....	Pierce
Rohrbaugh, Grace Isabelle.....	A 2.....	Omaha
Rohwer, Carl.....	E 2.....	Fort Calhoun
Rohwer, Mamie.....	SM.....	Uehling
Rokahr, Elsie Katherine.....	T 4, S.....	Lincoln
Rollings, Hattie Elizabeth.....	A 2.....	Lincoln
Rolofson, Lawrence Owen.....	SA 2.....	Lincoln
Rolofson, Pearl.....	S.....	Lincoln
Rolph, Walter Allen.....	SA 2.....	Smithfield
Romans, Alice.....	A 1, SM.....	Denison, Ia.
Romans, Robert F.....	L 3.....	Denison, Ia.
Romans, Warren Bertie.....	A 1.....	Denison, Ia.
Romer, Peter Kofold.....	A 1.....	Blair
Root, Alice Evelyn.....	T 1.....	Lincoln
Root, Elmer Alpha.....	E 2, FA.....	Lincoln
Rose, Genevieve.....	SM.....	Lincoln
Rose, Robert W.....	S.....	Stockham
Rose, Sister Mary.....	Au, S, Ex.....	Spalding
Rosenbaum, Harold Alvin.....	A 1.....	Harvard
Rosenbrants, Fay Harry.....	E 3.....	Cezad
Rosengren, Matilda.....	SM.....	Wahoo
Rosicky, Emma.....	Au.....	Omaha

Ross, Cleveland Albert.....	A 1.....	Lincoln
Ross, Clinton Thomas.....	A 1.....	Lincoln
Ross, William Lytle, Jr.....	A 1.....	Omaha
Rost, Clayton Ord.....	A 3.....	Page
Rothwell, Alice Marie.....	A 3.....	Lincoln
Rothwell, Lavina.....	SM.....	Lincoln
Rouse, Eugene.....	SM.....	Lincoln
Rouse, Margaretta.....	SM.....	Lincoln
Rowe, Eva Marguerite.....	S.....	Lincoln
Rowland, Hazel Ethelda.....	A 3.....	Holdrege
Rowland, J. R.....	Ss.....	Astoria, Ill.
Roy, Edwin Earl.....	SA 1.....	Lincoln
Royce, Ella.....	FA, S.....	Lincoln
Royce, J. A.....	SAu.....	Lincoln
Rubendall, Ward Matter.....	A 2.....	Alliance
Rubenstein, Maurice A.....	SM.....	Birmingham, Ala.
Ruby, Glen.....	E 1.....	Lincoln
Ruggles, Ida Merle.....	T 1.....	McCook
Rumer, Frank Alexander.....	A 1.....	Alliance
Runck, John Jacob.....	E 1.....	Republican City
Runge, Lulu Lillian.....	G.....	Madison, Wis.
Rupert, Garold.....	SM.....	University Place
Rush, Beulah.....	SM.....	Lincoln
Rush, Florence Frances.....	A 2, S.....	Omaha
Rush, Lucian L.....	E 1.....	Red Oak, Ia.
Rush, Nadine.....	SM.....	Lincoln
Rushton, George Howard.....	A 3.....	Omaha
Russell, Harriet Jane.....	T 3.....	DeWitt
Russell, Letta.....	SM.....	Tecumseh
Russell, Richard Allen.....	A 2.....	Lincoln
Rustin, Leora.....	Ex.....	Hemingford
Rutledge, Carson Alexander.....	S.....	Lincoln
Rutledge, Edward Markwood.....	S.....	Lincoln
Rutledge, Ida Luella.....	A 4, S.....	Lincoln
Ryan, Annie Alice.....	S.....	Lincoln
Ryan, Beth Symphrose.....	A 1.....	Lincoln
Ryan, Grace.....	A 2.....	Neligh
Ryan, Jacob Arthur.....	E 4.....	North Platte
Ryan, Kathleen.....	SM.....	Columbus
Ryan, Mamie.....	Ex.....	Exeter
Ryan, Sarah Agnes.....	G, S.....	Lincoln
Rymer, Harriet Missouri.....	T 2.....	Bethany
Ryons, Dorothy.....	SM.....	Lincoln
Sackett, Loy Earl.....	A 2.....	Lincoln
Sadilek, Irma Deborah.....	A 1, SM.....	Wilber
Safford, Helen Martha.....	T 1.....	Lincoln
Safford, Jessie Frances.....	T 4.....	Lincoln
Salisbury, Grace Murray.....	A 2.....	Lincoln
Salmon, Mabel Colby.....	A 3.....	Omaha
Samuelson, Arvid.....	SM.....	Lincoln
Saunders, Thad E.....	A 1.....	Beatrice
Saville, Jay Dana.....	Eu, SM.....	Ansley
Sawyer, Arthur Andrew.....	SAs.....	Page
Sawyer, Helen Agatha.....	A 1.....	Lincoln
Saylor, Anna L.....	SM.....	Daykin
Scarborough, Ray James.....	G.....	University Place
Schaer, Amalia.....	SM.....	Superior
Schaer, Edward Albert.....	SA 1.....	Superior
Schank, Harry Edward.....	E 1.....	Clarks
Schenck, Francis Joseph.....	E 2.....	Fairbury
Scheib, Theron Dale.....	SA 1.....	Dixon, S. D.
Schiemann, E. R.....	Ss.....	Oakdale
Schiller, Harry Edmund.....	A 1.....	Central City
Schinck, Dominic Charles.....	E 1.....	Tilden

Schlichtemier, Omer Frederick.....	SAu.....	Nehawka
Schlueter, Hugo Cyrus.....	E 4.....	Lincoln
Schlueter, Raymond Theodore.....	A 1.....	Lincoln
Schmale, Freda Louise.....	T 1.....	Lincoln
Schmidt, August Carl.....	A 4, L 1.....	Lincoln
Schmidt, Elizabeth.....	Ex.....	Wolbach
Schmidt, Herbert.....	SM.....	Lincoln
Schmidt, Nelda A.....	A3, FA.....	Lincoln
Schneider, Anna Marie.....	Au.....	Benedict
Schneider, Ernest.....	SA 3.....	Poole
Schobert, Benjamin Lyman.....	SA 3.....	Papillion
Schock, George Edgar.....	CA 2.....	Falls City
Schoenbeck, Helen Mary.....	SA 1.....	Odell
Schoenbeck, Walter Oscar.....	SA 3.....	Odell
Schoenleber, Walter Raleigh.....	CA 1.....	Bethany
Schofield, Leah.....	CAu.....	Lincoln
Schofield, Mary Anna.....	CAu, S.....	Lincoln
Scholten, William.....	A 1.....	Wayne
Schramm, Eck Frank.....	L 2.....	Lincoln
Schroeder, Annie.....	SM.....	Lincoln
Schroeder, Emma Bertha.....	Au.....	Lincoln
Schroeder, Mary Catherine.....	SM.....	Lincoln
Schulte, Cornelius John.....	CA 1.....	Lincoln
Schulte, Mary Anna.....	T 2.....	Lincoln
Schulte, Regina Bernardine.....	T 3.....	Lincoln
Schultz, Arthur Emanuel.....	SA 2.....	Elgin
Schultz, John Carston.....	E 1.....	South Omaha
Schultz, Minnie Marie.....	A 1.....	Clarks
Schumacher, Herman Joseph.....	S.....	Humphrey
Schwab, John Nicholas.....	A 1.....	Osecola
Schwake, Ella Irene.....	A 3.....	Nebraska City
Schwake, Florence.....	T 1.....	Lincoln
Schwake, Frank Whitten.....	P 1.....	Nebraska City
Schwan, Clarence George.....	SAs.....	Humboldt
Schwertley, Salome Mary.....	A 1, SM.....	Omaha
Schwind, Helen Mary.....	A 2.....	Lincoln
Scofield, James Norman.....	SA 1.....	Lincoln
Scotney, John Aaron, Jr.....	A 4, L 1.....	Belle Fourche, S. D.
Scott, Alice Lillian.....	Au.....	Lincoln
Scott, Aurelia Marian.....	CA 1.....	Lincoln
Scott, Ethel Augusta.....	A 3.....	Kearney
Scott, Frank Waldo.....	M 4.....	Omaha
Scott, Henry Miller.....	G.....	Lincoln
Scott, Nellie May.....	SM.....	Grodland, Kans.
Scott, Olive Hutchinson.....	A 3.....	McKeesport, Pa.
Scott, Robert Douglas.....	G.....	Lincoln
Scott, Uarda Mildred.....	A 1.....	Omaha
Scott, William J.....	L 1.....	Herrington, Kans.
Scoular, George.....	Ex.....	Superior
Seoville, Myrtle Mae.....	T 1.....	Hartington
Seriven, Dee Matthias.....	S, Ss, Ex.....	Omaha
Seriver, Clare Ethelwyn.....	A 1.....	Denison, Ia.
Seroggin, Maple Teavis.....	SAs.....	Kearney
Sender, Leroy Guy.....	L 1.....	Doniphan
Searle, Eloise.....	SM.....	Lincoln
Searle, L'Marie.....	SM.....	Lincoln
Sears, Helen.....	SM.....	Ilyannis
Sears, William Carroll.....	E 1.....	Omaha
Searson, James William.....	G.....	Manhattan, Kans.
Seaton, Laurence Froyd.....	E 3.....	Fremont
Sedgwick, Myrna Pauline.....	A 2.....	Lincoln
Sedlacek, Anton.....	SM.....	Wymore
Seibert, Edward Francis.....	Mu.....	Friend
Seidel, Herman L.....	L 1.....	Stanton

Seitz, Myrtle Grace.....	M 2.....	Lincoln
Sell, Albert Emil.....	SA 1.....	Midford
Selleck, John Kent.....	E 2.....	Lincoln
Selleck, Marjorie Cornelia.....	A 2.....	Lincoln
Sellon, George Irving.....	M 2.....	Stanley, Wyo.
Severin, Richard Otto.....	S, Ss.....	Lincoln
Sewell, Pearl.....	SM.....	Wayne
Sexson, Eugene Harvey.....	SA 1.....	Fremont
Seymour, Elizabeth Putnam.....	T 2, S.....	Lincoln
Shaffer, Elizabeth Mary.....	A 4, Ex.....	David City
Shahan, Clare John.....	SA 2.....	Lincoln
Shallenberger, Grace Pauline.....	A 4, SM.....	Lincoln
Shambaugh, Lois.....	Au, SM.....	Superior
Shambaugh, Nelly E.....	SM.....	Superior
Shanek, Bertha.....	T 1.....	Odell
Shank, Edith Rose.....	T 1.....	Superior
Shankland, Nina.....	SM.....	Lincoln
Sharp, Joe Hubert.....	A 1.....	Aurora
Sharpless, Emma Idalene.....	CAu, FA.....	Ansley
Shary, Emanuel Harry.....	L 2.....	Wilber
Shaw, Harry.....	E 1, S.....	Adams
Shaw, Stella.....	Au, SM.....	Omaha
Sheaff, Howard Martin.....	A 4.....	Hastings
Shearer, Clarice.....	SM.....	Lincoln
Shedd, Claude Kedzie.....	G.....	Lincoln
Sheffield, Henriette.....	SM.....	Loomis
Sheldon, Addison Erwin.....	G.....	Lincoln
Sheldon, George Clinton.....	CA 1.....	Ellensburg, N. Y.
Shepard, James Frederick.....	SA 1.....	Fremont
Shepherd, Gertrude.....	SM.....	Lincoln
Shepherdson, Frank Harrison.....	SA 2.....	Riverton
Sherman, James Guy.....	Mu.....	Lincoln
Sherwood, Clement Miner.....	A 1.....	Red Cloud
Shidner, Ruby Maude.....	S.....	Stromsburg
Shike, Jasper Ray.....	A 3.....	Menlo, Ia.
Shipman, Lizzie Apollonia.....	S.....	Bethany
Shively, Carl.....	A 3, S.....	Nelson
Shively, Vesta May.....	S.....	Lincoln
Shonka, Rose.....	Ss.....	Lincoln
Shonka, Sylvester Venzeslaus.....	L 3.....	Abie
Short, Edward Marion.....	A 4, Ex.....	Franklin
Shostak, Louis.....	SM.....	Lincoln
Shouder, Edward Everett.....	G.....	Syracuse
Shugart, Nettie Wills.....	G.....	Lincoln
Shurtleff, Grace.....	SM.....	South Auburn
Shurtleff, Roswell Johnson.....	L 1.....	Trenton
Sidak, Joseph Frank.....	SAs.....	Hartington
Siert, Henry Max.....	SAs.....	Millard
Sill, Ralph Burke.....	Eu.....	Moorefield
Simms, David.....	L 3.....	Alma
Simon, Charlie.....	S.....	Lincoln
Simon, Gertrude.....	SM.....	Lincoln
Simons, Charlotte Hoyt.....	Au.....	Lincoln
Simons, Wilbur Henry.....	A 4, Ss.....	Lincoln
Simonson, Peter.....	SAu.....	Lexington
Simpkins, Edward Merchant.....	SAs.....	DeWitt
Simpson, Anna.....	SM.....	Long Beach, Cal.
Simpson, Bryant Robert.....	M 4.....	Omaha
Sims, Joseph Forrest.....	CA 2.....	Hastings
Sinamark, Andrew.....	A 3.....	Fremont
Sindt, Henry.....	SA 2.....	Naponee
Sindt, Karl.....	SA 2.....	Naponee
Sipe, Paul Revere.....	SA 1.....	Lincoln
Sjogren, John Wilhelm.....	SA 1.....	Funk

Sjogren, Oscar Warner.....	CAu.....	Funk
Skinner, Llewellyn Terry.....	CA 1.....	David City
Skinner, Mary Elizabeth.....	A 4.....	Lincoln
Skochdopole, George W.....	A 1.....	Ravenna
Skupa, Joseph.....	SAs.....	Chicago, Ill.
Slade, Bartlett Paine.....	A 1.....	Lincoln
Slagle, Earl Fritz.....	A 2, M 1.....	South Auburn
Slagle, Edward William.....	SAs.....	Barada
Slater, Harold Charles.....	E 2, SM.....	Lincoln
Slaughter, Walter Dane.....	A 1.....	Endicott
Sloan, Ethel.....	CA 1.....	Geneva
Slocum, William Pliny.....	Au.....	Normal
Sluyter, Charles Leroy.....	E 2.....	Clay Center
Smart, Marie Josephine.....	T 2.....	McCook
Smith, Alice A.....	S.....	Lincoln
Smith, Anna.....	SM.....	Lincoln
Smith, Anna Caroline.....	A 2.....	Ceresco
Smith, Archibald Manley.....	L 3.....	Lincoln
Smith, Arthur Andrew.....	A 4, M 2, S.....	Lincoln
Smith, Arthur Lawrence.....	A 1, M 1.....	Dunlap, Ia.
Smith, Birdine.....	Ex.....	Palmyra
Smith, Carlos Oliver.....	E 3.....	University Place
Smith, Charlie Ray.....	SA 1.....	Trenton
Smith, Cora Evelyn.....	S.....	Palmyra
Smith, C. W.....	Ex.....	Grafton
Smith, Dean Warren.....	SAs.....	Carroll
Smith, Don Carlos.....	E 1.....	Neligh
Smith, Don Frank.....	E 4, S.....	Kearney
Smith, Edith B.....	SM.....	Lincoln
Smith, Franklin Perry.....	SM, L 1.....	Fremont
Smith, George Lee.....	SA 2.....	Wayne
Smith, Harry Fisher.....	E 2.....	Lexington
Smith, Harry Harrison.....	E 1.....	Omaha
Smith, Hartford Hagarty.....	SAs.....	Wayne
Smith, Hugh Ellison.....	E 1.....	North Platte
Smith, Jerome Hartsel, Jr.....	A 1.....	Lincoln
Smith, Katherine.....	T 1.....	Lincoln
Smith, Leila Alice.....	T 2, S.....	Lincoln
Smith, Lettie Adeline.....	S.....	Plattsmouth
Smith, Lois.....	A 1.....	Macedonia, Ia.
Smith, Lora Grace.....	SM, Au.....	Republican City
Smith, Lora Viola.....	A 2.....	Lincoln
Smith, Margaret J.....	G.....	Lincoln
Smith, Marie.....	SM.....	Ashland
Smith, Mary.....	SM.....	Lancaster
Smith, Mearl Curtis.....	T 2, S.....	Belgrade
Smith, Meredith.....	Tu.....	Omaha
Smith, Ralph Emerson.....	E 2.....	Lexington
Smith, Richard Hubert.....	S.....	Lincoln
Smith, Roscoe.....	SM.....	University Place
Smith, Roy Victor.....	L 1.....	Wahoo
Smith, Sylvia Lee.....	T 1.....	Syracuse
Smith, Victor Bunnell.....	A 3.....	Fremont
Smith, Villiers Deaver.....	A 1.....	Beaver City
Smith, Wayne Everett.....	E 1.....	Kearney
Smith, Wood.....	Ex.....	Fullerton
Snader, Louie.....	SM.....	Red Cloud
Snapp, Cecile Muud.....	T 3.....	Lincoln
Snare, Albert.....	S.....	Edgar
Snell, Hazel Frost.....	A 3.....	Lincoln
Snyder, Belle.....	Ex.....	Oxford
Snyder, Erwin Paul.....	A 1.....	Council Bluffs, Ia.
Snyder, Russell Charles.....	SA 1.....	Loup City
Soderberg, Clyde Payne.....	E 4.....	Sutton

Sohl, Andrew Henry Anton.....	E 1.....	Cedar Bluffs
Sohlberg, Joseph Emanuel.....	P 1.....	Oakland
Somers, Frederick Augustus.....	E 2.....	Bethany
Somerville, Clarence Monroe.....	L 1.....	McCook
Somerville, William Marvin.....	L 1.....	McCook
Sommer, Helen Lillian.....	A 3, SM.....	Omaha
Soukup, Frank S.....	SA 3, SM.....	Fremont
Soutar, Frank James.....	E 1.....	Spearfish, S. D.
Sowle, Anna.....	SM.....	Maxwell
Southard, Carrie Belle.....	CAu.....	Lincoln
Spalding, Mary Louisa.....	Au, SM.....	Lincoln
Sparks, Elizabeth Kimball.....	Au.....	Lincoln
Sparks, Helen.....	SM.....	Valentine
Spaulding, Earle Rowe.....	E 2.....	Gothenburg
Spaulding, James Benedict.....	T 2.....	Lincoln
Spaulding, Thankful Elizabeth.....	T 3, SM.....	Lincoln
Spear, Julia Matilda.....	A 3.....	Seward
Spease, Perry Martin.....	S.....	Crete
Speedie, Mrs. Charles.....	SM.....	Bruning
Speedie, Charles.....	S.....	Bruning
Speier, Aaron Schloss.....	S.....	Lincoln
Spellmeyer, Carl Frederic.....	E 4.....	Aurora
Spelts, Alma Ionia.....	A 3.....	Lincoln
Spencer, Edna.....	FA.....	Lincoln
Spencer, Laurretta.....	SM.....	Barneston
Spencer, Lois Amelia.....	A 1.....	Falls City
Spencer, Walter Arthur.....	S.....	Gibbon
Sperling, Blanche Kathryn.....	T 4.....	Chadron
Spirk, Felix.....	SM.....	Wilber
Sprague, Annie Maxon.....	T 3.....	Lincoln
Sprague, Erma Sarah.....	A 2.....	Lincoln
Sprague, Harold William.....	E 1.....	Lincoln
Springer, Ralph Lathrop.....	E 1.....	Grand Island
Squires, David Henry.....	CA 3.....	Ord
Stahl, Stanley.....	SM.....	Lincoln
Stahl, Vena.....	SM.....	Liberty
Stalder, Lloyd Walter.....	E 2.....	Humboldt
Stalder, Minnie Augusta.....	Au, SM.....	Salem
Staley, William Bernard.....	L 1.....	Valentine
Stanciliff, Arthur Dale.....	E 4.....	Lincoln
Stander, Alice.....	S.....	Louisville
Stanley, Lamar Rush.....	T 1.....	Aurora
Stanton, Hazel Martha.....	T 2.....	Stromsburg
Starr, Hazel Esther.....	A 3.....	Lincoln
Stasenka, Charles Robert.....	L 2.....	Wilber
Stastny, Olga Frances.....	M 1.....	Wilber
Stauffer, Carroll Orville.....	A 1.....	Oakland
Stearns, Robert James.....	M 4.....	Omaha
Stearns, Edith.....	SM.....	Norfolk
Stech, Katharine Helen.....	S.....	Milligan
Steckelberg, Minnie.....	SM.....	Plymouth
Steenburg, Donald Benjamin.....	A 3, M 1.....	Aurora
Stegner, Sarah Louise.....	T 4, S.....	Omaha
Stein, Frances Ella.....	Au.....	Lincoln
Steinbach, W. H.....	S.....	Bancroft
Steiner, Helen Margarette.....	A 2.....	Lincoln
Steinhart, Morton.....	A 2.....	Nebraska City
Stelzer, Anita.....	SM.....	North Platte
Stenger, Cecilia Caroline.....	T 1.....	Columbus
Stepanek, Orin G.....	A 1.....	Crete
Stephen, William Logan.....	F.....	Lincoln
Stephenson, Annie Eliza.....	Au.....	Lincoln
Stephenson, Ray.....	SA 3.....	Clay Center
Stetina, Frank.....	SA 1.....	Exeter

Stetler, Carrie May.....	G.....	Lincoln
Steven, Edna Bertha.....	A 4, S.....	Shelton
Stevens, Frederick Henry.....	SA 1.....	Lawrence
Stevens, Leslie.....	SM.....	University Place
Stevenson, Marguerite Blanchard.....	T 3.....	Mitchell
Stewart, Anna.....	Au, SM.....	Axtell
Stewart, Aura Day.....	SM.....	Palmyra
Stewart, Branson Washburn.....	L 2.....	Lincoln
Stewart, Charles Roy.....	M 4.....	Omaha
Stewart, Donald Warner.....	A 1.....	Lincoln
Stewart, Earl Forest.....	SAu.....	Fremont
Stewart, Elvessa A.....	S, Ss.....	Fremont
Stewart, Grace Darling.....	Au.....	Seward
Stewart, Ida May.....	S.....	Fremont
Stewart, Marcia Lucinda.....	Au.....	Lincoln
Stewart, Marguerite Theresa.....	T 2.....	Blair
Sibal, John, Jr.....	E 3.....	Richland
Stilson, Earl B.....	E 1.....	Atkinson
Stinson, A. S.....	Ex.....	Bazile Mills
Stoakes, Charles Stewart.....	M, <i>cum laude</i>	Reinback, Ia.
Stockdale, Verne Katherine.....	G.....	Omaha
Stockdale, W. T.....	Ex.....	Madison
Stocker, Thomas Richard Parson.....	L 2.....	Lincoln
Stocking, Delia Verne.....	A 1.....	Denison, Ia.
Stoddart, Paxton Colladay.....	SA 2.....	Lincoln
Stoll, Carl George.....	L 2.....	Beatrice
Stombaugh, Edith.....	T 2.....	Lincoln
Stone, Clarence.....	SM.....	Greenwood
Stoner, Georgia Juniata.....	S.....	Lincoln
Stoner, Samuel Cheslie.....	L 2.....	Osceola
Stoner, Walter Welles.....	Ex.....	York
Storey, Vernon Madelaine.....	A 1, SM.....	Red Cloud
Storm, Robert Ernest.....	E 1.....	Oakland
Stout, Donald John.....	SA 1.....	Lincoln
Stout, Mecia.....	A 3.....	Lincoln
Strahl, Frank John.....	E 2.....	Steinauer
Strand, William Harold.....	SAs.....	Belvidere
Stratton, Lorena Alberta.....	SM.....	Lincoln
Strayer, J. E.....	SAu.....	Hartington
Streitz, William Mickle.....	SA 2.....	Millard
Strickler, Addie.....	SM.....	York
Strieter, Martin Ernst.....	E 4.....	Seward
Strom, Russell Rex.....	A 2.....	Hector, Minn.
Strong, Maurice D.....	SAu.....	Stromsburg
Strope, Merwin Garvin.....	SA 2.....	Venus
Strope, William Wallace.....	SA 2.....	Venus
Struve, Martin Louie.....	E 3.....	Blair
Stuart, Gerald Walsh.....	A 2.....	Lexington
Stuart, Wilfred Victor.....	A 2.....	Lexington
Studley, Russell Alger.....	SA 3, SM.....	Creston
Stuff, Freda Naomi.....	S.....	Lincoln
Stults, Harry Littlefield.....	CA 2.....	Lincoln
Sturdevant, Charles Francis.....	E 3, S.....	Weston
Sturdevant, Olivia Zoe.....	A 1.....	Atkinson
Sturdevant, Ralph Smith.....	Mu.....	Weston
Sturgeon, Evelyn.....	T 1.....	Hamburg, Ia.
Sturges, Paul Taylor.....	CA 2.....	Lincoln
Sturmer, Frederick Charles.....	E 2.....	Beatrice
Sturzenegger, Alfonzo J.....	L 3.....	South Bend
Suduth, Luella.....	A 1.....	Missouri Valley, Ia.
Sullivan, Aaron Humphry.....	Au, S.....	Lincoln
Sullivan, Alma Leona.....	A 2.....	Broken Bow
Sullivan, Erma.....	A 2.....	Broken Bow
Sullivan, John Joseph.....	E 1.....	Jackson

Sullivan, Josie.....	Ex.....	University Place
Sullivan, Mary.....	G.....	Omaha
Sullivan, Mabel Gertrude.....	A 2.....	Lincoln
Sumner, Lulu Tracy.....	Au.....	Lincoln
Sundberg, John Arthur.....	SAs.....	Aurora
Suter, Irene.....	SM.....	Lincoln
Sutter, Howard Frazier.....	E 3.....	Liberty
Sutton, William Austin.....	SA 2.....	Alliance
Swain, Edith.....	SM.....	Lincoln
Swan, John Theodore.....	A 1.....	Kearney
Swan, Lora L.....	A 1.....	Auburn
Swaney, Grace.....	S.....	Emerald
Swanson, Archibald Carl.....	SA 2.....	Aurora
Swanson, Charles Luther.....	E 3.....	Oakdale
Swanson, Edwin Clarence.....	SA 3.....	Stromsburg
Swanson, Myrl Raymond.....	A 2.....	Aurora
Swanson, Oliver Milton.....	E 2.....	St. Edward
Swanson, Paul H.....	SAs.....	Morrill
Swanson, Philbert Auscar.....	SA 1.....	Funk
Swanson, Swan Arthur.....	E 2.....	Holdrege
Sward, E. Martin Paulus.....	M 3.....	Omaha
Swartz, Bret Albert.....	T 1.....	Kearney
Swearingen, Thomas.....	L 1.....	Roca
Sweeley, Ralph Chapman.....	A 1.....	Omaha
Sweeney, Mrs. Mary.....	Ex.....	Humphrey
Swenk, Iva Beatrice.....	T 1.....	Lincoln
Swenk, Myron Harmon.....	G.....	Lincoln
Swenson, Martina Caroline.....	T 1.....	Omaha
Swenson, Miranda Powers.....	Au.....	Lincoln
Swenson, Otto Frederick.....	CA 3.....	Bertrand
Swenson, Samuel August.....	M 4.....	Omaha
Swezey, Emma Josephine.....	G.....	Lincoln
Swezey, Marien Frances.....	A 1.....	Lincoln
Swingle, Leroy Dey.....	Mu.....	University Place
Switzer, Wayne Joseph.....	SA 2.....	Weeping Water
Switzler, Robinson Merideth.....	A 4, L 1.....	Omaha
Syford, Constance Miriam.....	G.....	Lincoln
Syford, Lester Corwin.....	L 3.....	Lincoln
Taft, Harold Edson.....	E 1.....	Norfolk
Taggart, Mary Campbell.....	S.....	Braddyville
Tate, John Torrence.....	A 4, S.....	Valentine
Tate, Raymond.....	S.....	Brownlee
Tatum, Joseph Laurie.....	E 4.....	Nebraska City
Taylor, Alma.....	SM.....	David City
Taylor, Calvin Hill.....	L 3.....	Union
Taylor, C. W.....	Ex.....	McCook
Taylor, Earle John.....	A 1.....	Lincoln
Taylor, Mrs. E. H.....	Ex.....	Whitman
Taylor, Gladys.....	Ex.....	Shubert
Taylor, Elbert Lloyd.....	Tu.....	Belvidere
Taylor, Herbert Solomon.....	CA 2.....	Lincoln
Taylor, Jean.....	SM.....	Broken Bow
Taylor, Jesse Day.....	A 4, M 2, S.....	University Place
Taylor, Jettie Arnold.....	A 3.....	Lincoln
Taylor, Leonard Burt.....	SA 2.....	Omaha
Taylor, Lewis Ray.....	E 2.....	South Omaha
Taylor, Loren Guy.....	P 1.....	Clay Center
Taylor, Mary Stella.....	Au, SM.....	Lincoln
Taylor, Sarah Gertrude.....	S.....	Denton
Taylor, Tina.....	Au, SM.....	Broken Bow
Taylor, Willis Harvey.....	M 3.....	Omaha
Taylor, Zella Frances.....	A 1.....	Red Cloud
Teach, Charles Elden.....	G.....	University Place
Tebbetts, Forrest Walter.....	A 1.....	Lincoln

Teel, Roy Clifford.....	E 1.....	Red Cloud
Teeter, Hazel Ferne.....	A 2.....	North Bend
Teller, William Zeddoc.....	E 1.....	Jackson
Temple, Lee.....	SM.....	Hallam
Temple, LeRoy Bates.....	L 1.....	Lexington
Templeton, Ford.....	SA 2.....	Wahoo
Templeton, Henry Moulton, Jr.....	L 1.....	Ames, Ia.
Templin, John Finch.....	A 3.....	Nebraska City
Tesch, Ruby.....	SM.....	Lexington
Teuscher, William Howard.....	SAs.....	Milford
Tewell, James Leonard.....	A 3.....	Holdrege
Tewksbury, Edith Frances.....	T 1.....	Lincoln
Tewksbury, Nina Adelaide.....	T 4.....	Lincoln
Tharp, Charles Earl.....	SAs.....	McCool Junction
Therkelsen, Carrie Chmelka.....	Tu.....	Lincoln
Thomas, Gladys Elizabeth.....	A 2.....	Lincoln
Thomas, Howard Franklin.....	E 2.....	Omaha
Thomas, Hugh.....	SAu.....	Newman Grove
Thomas, Inez M.....	SM.....	Lyons
Thomas, James Lloyd.....	Ss.....	Tobias
Thomas, Lelia Winifred.....	S.....	Seward
Thomas, Nathan.....	SM.....	Lincoln
Thomas, Nova Elizabeth.....	A 2.....	Nelson
Thomas, Rachael Merle.....	T 2.....	Lincoln
Thomas, Rita Mae.....	SM.....	Nebraska City
Thomas, Rowland Paul.....	L 1.....	Omaha
Thompson, Albert Milton.....	L 2.....	Lincoln
Thompson, Benjamin Harrison.....	E 2.....	Overton
Thompson, Benjamin Harrison.....	SA 1.....	Riverton
Thompson, Earnest Leonard.....	SAs.....	Malmö
Thompson, Edgar.....	SM.....	Lincoln
Thompson, Harry Landis.....	P 2.....	West Point
Thompson, J. F.....	Ex.....	Arcadia
Thompson, J. West.....	Ex.....	Merna
Thompson, Leta Mae.....	SM.....	York
Thompson, Lois Margaret.....	A 2.....	Lincoln
Thompson, Lucien Orrin.....	E 1.....	Omaha
Thompson, Margaret Louise.....	A 2.....	McCook
Thompson, Mayone.....	A 2.....	Omaha
Thompson, Ruth.....	SM.....	Lincoln
Thompson, Warren Simpson.....	G. S.....	University Place
Thorn, James A.....	SAu.....	North Bend
Thornburg, Bertha Wilhelmina.....	T 2.....	Lincoln
Thornburg, Charles Ernest.....	E 4.....	Beatrice
Thornburg, Hazel Syrena.....	T 2.....	Lincoln
Thorpe, Berta Florence.....	P 1.....	Broken Bow
Thrailkill, Frank Leonard.....	P 1.....	Lincoln
Thrapp, Elmo.....	SA 1.....	Ulysses
Throckmorton, Jeannette Franc.....	M 4.....	Charlton, Ia.
Thurlow, George Halloway.....	Mu.....	Lincoln
Thurston, Willett Minor.....	CAu.....	Lincoln
Tibbets, Albert Burr.....	A 2.....	Hastings
Tibbets, Mary Ruth.....	A 2.....	Hastings
Tietze, Ernest Elem.....	SA 3.....	Holbrook
Tilden, Gladys Lucile.....	SA 2.....	Benedict
Timmerman, Herbert.....	SM.....	Rochester, N. Y.
Timmerman, Linna.....	SM.....	Lincoln
Tingley, James.....	L 1.....	Lincoln
Tingley, Washington Ivern.....	A 2.....	Lincoln
Tinkham, Florence Eva.....	T 3.....	Lincoln
Tipton, Claude Jones.....	CA 1.....	Seward
Tipton, Frank Benjamin.....	A 2.....	Seward
Titus, Liscomb Waller.....	A 1.....	Holdrege
Tobolska, Joseph W.....	A 1.....	Wilber

Todd, Bessie Walton.....	A 3.....	Maryville, Mo.
Todd, Florence Sheldon.....	CA 3.....	Nehawka
Todd, L. G.....	SAs.....	Nehawka
Toenges, Rose LaBalle.....	Au, SM.....	Lead, S. D.
Tollefsen, Albert Bush.....	L 2.....	Kearney
Tomek, Fred Benjamin.....	M 1.....	Lynch
Toney, Perry Sylvester.....	E 1.....	Omaha
Toof, Clyde B.....	Ex.....	Fairfield
Toogood, Bertha.....	SM.....	Lincoln
Topping, Paul Swayne.....	L 2.....	Nebraska City
Torbitt, Zoe Barnes.....	SM.....	Bennett
Torell, Judith Elenora.....	SA 1.....	Swedeberg
Tourtlot, Charles Victor.....	Au.....	Sterling
Tout, Wilson.....	Ex.....	North Platte
Trabert, E. E.....	SAu.....	Sutton
Trautte, Anna Lavone.....	S.....	Lincoln
Treat, Anna May.....	Au.....	Lincoln
Trebg, Narah G.....	SM.....	Moorefield
Trester, Mrs. Lewis H.....	SM.....	Lincoln
Trigg, Clarence.....	SA 2.....	Lincoln
Trotter, Harley Elijah.....	SA 1, S.....	Spalding
Troyer, Nina Pearl.....	A 1.....	Lincoln
Troyer, Robert.....	SM.....	Lincoln
Trude, John Guiles.....	E 4.....	Beatrice
Trued, Luther Emanuel.....	SAs.....	Ceresco
Truell, Grace Knowlton.....	T 2, S.....	Lincoln
Truman, Virgil.....	Ss.....	Stella
Trumbull, Malcolm Arthur.....	Eu.....	Belvidere
Trump, Earle D.....	L 3.....	Blue Springs
Tucker, Clarence Christopher.....	E 1.....	Howe
Tucker, James C.....	A 4, M 2, S.....	Tabor, Ia.
Tucker, Jennie Doty.....	Ex.....	York
Tucker, Mary Winifred.....	M 3.....	Omaha
Tully, Bashie Beth.....	T 4.....	Ord
Tumbleson, B. F.....	SAu.....	Ulysses
Tunks, Glen Vern.....	E 2.....	Central City
Tupper, Oscar Winters.....	SA 2.....	Riverton
Turner, Lida Kennedy.....	Tu.....	Columbus
Tuttle, Emma Jean.....	G.....	Lincoln
Tyson, Edwin.....	SA 2.....	Mound City, Mo.
Tyson, Isabel.....	A 1.....	Mound City, Mo.
Ulrich, Charles Ferdinand.....	A 2.....	Stuart
Unangst, Edna Sarah.....	S.....	Sinten, Texas
Unland, Harry Lloyd.....	E 4.....	Lincoln
Upson, Arthur Thaddeus.....	CA 4.....	Lincoln
Urban, Frank.....	SA 3.....	Newboro
Ursula, Sister M.....	S.....	Spalding
Vail, Arrilla Ada.....	A 1.....	Albion
Vail, Nellie Antionette.....	S.....	Lincoln
VanAnda, Carmi Houston.....	SAs.....	Fremont
VanBerg, Ora Elmer.....	E 4.....	Aurora
VanCamp, Mabel Violet.....	T 4.....	Lincoln
Vance, Arthur M.....	Ex.....	Panama
Vanderhoof, Fern.....	Ex.....	St. Edward
VanDusen, Bessie.....	Ex.....	Stanton
VanDusen, Dana Burgess.....	A 2.....	Omaha
VanDusen, Harold Arnold.....	A 3.....	South Omaha
VanHausen, John.....	SA 1.....	Schuyler
VanLome, Katherine Wilhelmina.....	SM, A 1.....	David City
VanScyoc, Ora Laroy.....	A 3.....	Lincoln
VanTuyl, Abbie.....	SM.....	Raymond
VanWie, Emma.....	SM.....	Waverly
Vasey, Harvey Elmer.....	CA 2.....	Liberty
Vasey, Walter Artemus.....	L 1.....	Beatrice

Vaughn, George.....	SAs.....	Fullerton
Vaughn, Louis.....	SAs.....	Fullerton
Vedder, Harmon.....	Ex.....	Bennett
Veghte, Gladys Adaline.....	A 1.....	Lincoln
Veith, Anna Margaret.....	A 1.....	Lincoln
Vibbard, Hazel Louise.....	Au, SM.....	Albany, N. Y.
Villanueva, Vicente Pio.....	E 4.....	Batangas, P. I.
Villars, Harry Seward.....	E 4.....	Tecumseh
Vincent, Helen Maude.....	Au.....	Lincoln
Vineyard, Julia Marie.....	Au.....	Lincoln
Vivian, William Talbot.....	E 4.....	Lincoln
Vlasnik, George Lafayette.....	E 2.....	Niobrara
Voderberg, Helmuth Henry Max.....	E 3.....	Lincoln
Voegelien, Albert Henry.....	S.....	Rulo
Vogel, Percy Godfrey.....	SA 3.....	Florence
Vohland, Michael Lewis.....	T 2.....	Gibbon
Voight, Emma K.....	SM.....	Nelson
Vollintine, Grace.....	S.....	Lincoln
Vollintine, James Louis.....	E 4.....	Lincoln
VonSeggern, Fred.....	SAs.....	Scribner
Vosacek, Frank Richard.....	Ss.....	York
Votava, Joseph Thomas.....	L 2.....	Edholm
Votaw, Walter Fred.....	E 2.....	North Platte
Vrana, Edward.....	Eu.....	Omaha
Wachter, Don Alfred.....	A 1.....	Lincoln
Wachter, Leona.....	SM.....	Lincoln
Waddell, James Clyde.....	M 4.....	Omaha
Waddell, Mabel Edna.....	S.....	Lincoln
Waddington, Clyde N.....	A 2.....	Beatrice
Waddle, Gladys Margaret.....	CA 2.....	Aurora
Wade, Ernest Henry.....	E 1.....	Blue Springs
Wagey, Pearl Alice.....	Tu.....	Cambridge
Wagoner, Earl William.....	SAs.....	Bradshaw
Wagner, A. E.....	S.....	Lincoln
Wagner, George L.....	Ex.....	Holstein
Wagner, Kathryn Elizabeth.....	T 4.....	University Place
Waite, Esther Jeanette.....	T 1.....	Burwell
Wake, Harold Robert.....	E 2.....	Genoa
Walcott, Oliver Marion.....	L 3.....	Valentine
Waldo, Agnes Murray.....	T 2.....	South Omaha
Waldo, Margaret Ellen.....	T 2.....	South Omaha
Waldo, Ralph Ernest.....	L 3.....	South Omaha
Walford, Edith.....	Ex.....	Bridgeport
Waln, Carl Robert.....	SAs.....	Ceresco
Walker, Earl Fisk.....	P 1.....	Stockham
Walker, Edson Ozro.....	E 1.....	Cedar Bluffs
Walker, Ernest.....	SM.....	Pawnee City
Walker, Glen Alan.....	E 1.....	Cedar Bluffs
Walker, Glenn Fay.....	A 1.....	Red Cloud
Walker, Grace Isabelle.....	A 2.....	Douglas
Walker, Leva Belle.....	G.....	Lincoln
Walker, Louisa Viola.....	Tu.....	Lincoln
Walker, Pearl.....	SM.....	Lincoln
Walker, Tory Allison.....	A 1.....	Stella
Walkington, Bessie May.....	T 1.....	Cambridge
Wall, Pansy.....	SM.....	Lincoln
Wall, Pearl.....	SM.....	Lincoln
Wallace, Cora Lee.....	A 4, S.....	Omaha
Wallace, Florence Ada.....	T 2.....	Lincoln
Wallace, George Lew.....	S.....	Fort Branch, Ind.
Wallace, George McCready.....	A 4, SM.....	Omaha
Wallace, Harold Foster.....	E 3.....	University Place
Wallace, Helen Margaret.....	A 1, SM.....	Lincoln
Wallace, Lew.....	L 2.....	Lexington

DIRECTORY OF STUDENTS

453

Wallengren, Delbert Ernest.....	E 3.....	Lincoln
Walsh, Clarence Edward.....	A 3.....	Omaha
Walsh, Stasia.....	S.....	Missouri Valley, Ia.
Walsh, Walter W.....	S.....	Lincoln
Walt, Mary Ward.....	SM.....	Lincoln
Walter, Frank Herbert.....	CA 1.....	Harlan, Ia.
Walter, Lloyd DeWitt.....	E 2.....	Oxford
Walter, Otto Fasoldt.....	A 3.....	Columbus
Walton, Charles Newton.....	G, Ex.....	Wahoo
Ward, Archie Walter.....	M 3.....	Omaha
Walvoord, Antonette.....	SM.....	Holland
Walz, George Ritchy.....	SAs.....	Hartington
Ward, John Leroy.....	E 3.....	Edgar
Ward, Lillian.....	SM.....	Lincoln
Ward, Nellie Marguerite.....	P 1.....	Lincoln
Ware, Iris Mae.....	A 2.....	Lincoln
Wareham, Glen Galloway.....	SAs.....	Kearney
Warga, Helen.....	SM.....	Havelock
Warner, Effie.....	SM.....	Sabetha, Kans.
Warner, Esther.....	S.....	Lincoln
Warner, Gertrude Emaline.....	S.....	Beaver Crossing
Warner, Kenneth Fisher.....	A 2.....	Lincoln
Warner, Leon George.....	CA 1.....	Beaver City
Warner, Myra.....	Au.....	Roca
Warren, Allen Elijah.....	L 2.....	Lincoln
Warren, Welden Harrison.....	A 4, S.....	Lincoln
Warton, Alfa Frances.....	T 3.....	Superior
Washburn, Orrilla Fidelia.....	T 3.....	Lakeside
Waterman, John Herman.....	E 1.....	Hooper
Waters, James Alton.....	E 1.....	Lincoln
Waters, Helen Margaret.....	SM.....	Lincoln
Waters, Nancy Melvina.....	T 1.....	Lincoln
Waters, Winifred Bell.....	T 4.....	Lincoln
Watkins, Dorothy Dale.....	A 1.....	Lincoln
Watkins, Elmer.....	SAu.....	Cambridge
Watson, Bertha.....	T 4, S.....	Albion
Watson, Curry Wathen.....	S, Ex.....	Fullerton
Watson, John Cicero, Jr.....	A 2.....	Nebraska City
Watson, Lucius H.....	SM.....	Lincoln
Watson, Rebecca J.....	Ss.....	Lincoln
Watson, Robert Hart.....	G, S.....	Lincoln
Watters, Farnham Elliott.....	L 2.....	Bloomfield
Wattles, Grace.....	SM.....	Neligh
Watts, Myrtle.....	SM.....	Unadilla
Weaver, Clara Evalena.....	Au.....	Columbus
Weaver, Dorothea.....	T 4.....	Columbus
Weaver, Georgia Violet.....	T 1, SM.....	Meade
Weaver, John Ernst.....	G.....	Lincoln
Weaver, Louis William, Jr.....	E 1.....	Columbus
Weaverling, Ralph Eugene.....	L 2.....	Beatrice
Webb, Nelle Mae.....	T 2.....	Lincoln
Webster, Charles Ernest.....	E 1.....	Dixon, Ill.
Webster, Chester Allen Arthur.....	SA 3.....	Gibbon
Webster, Gladys.....	SM.....	Lincoln
Webster, Richard Orin.....	A 4.....	Lincoln
Weckbach, Agnes Wilhelmina.....	A 4, S.....	Lincoln
Weedman, Walter Franklin.....	M 1.....	Ottawa, Kans.
Wehrli, Mabel Ida.....	A 1.....	Mound City, Mo.
Weinberg, Carolyn.....	SM.....	Lincoln
Weinert, Carl Clayton.....	SAs.....	Falls City
Weir, Eleanor Lois.....	SM.....	Grand Junction, Colo.
Weirick, Mary Esther.....	Tu.....	Pueblo, Colo.
Weiss, Walter Clatus.....	A 3.....	Hebron
Welch, Florence Eva.....	A 2, SM.....	Wayne

Weich, Leslie Andrew.....	A 2.....	Wayne
Welker, H. Clare.....	Ex.....	Fremont
Wellensiek, Anna Caroline.....	A 2.....	Syracuse
Wells, Ella Mabel.....	SM.....	Lincoln
Wells, Florence.....	Au.....	Schuyler
Wells, Garnet Pearl.....	Au.....	Lincoln
Wells, Jessie M.....	Ex.....	Gering
Wells, Marta E.....	S.....	College View
Wells, Teresa.....	Ex.....	Gering
Welton, Merton Merwin.....	E 2.....	Bridgeport
Wemple, Marietta.....	SM.....	Lincoln
Wenstrand, Ralph Theodore.....	E 4.....	Wahoo
Wenstrand, William Wallace.....	A 1.....	Wahoo
Wentz, Harry Maurice.....	SA 2.....	Lincoln
Werner, John Carl.....	SA 1.....	Robbins, Ia.
Werner, Otto E.....	SA 1.....	Falls City
Wertman, Mary Catherine.....	Tu, SM.....	Milford
Weseen, Maurice Harley.....	A 1.....	Oakland
Wertz, Sydney S.....	SAu.....	Shelton
Wessel, Henry.....	A 1.....	Lincoln
West, Kate LaVerne.....	T 1.....	Hays Center
West, Mabel.....	SM.....	Dorchester
West, Viola Eva.....	SM.....	Lincoln
Westenfield, William August.....	SAs.....	Eustis
Westerfield, Samuel Zaza.....	E 2.....	Lincoln
Westervelt, Alfred Edward.....	A 4, M 1.....	Omaha
Westgate, Vernon Vilas.....	G.....	Lincoln
Weston, Helen.....	A 3, S.....	Beatrice
Westover, Edward Clarence.....	E 1.....	Lincoln
Wettling, Louis Eugene.....	S.....	Lincoln
Weyant, Merle Ethel.....	SA 3.....	Lincoln
Weyrick, Clara.....	S.....	Plattsmouth
Whaley, Annie Mae.....	SM.....	Hot Springs, S. D.
Whaley, Fannie Alice.....	CA 2.....	Lincoln
Whaley, Miner H., Jr.....	P 2.....	Lincoln
Wheeler, Grace Margaret.....	A 4.....	Lincoln
Wheelock, Frank Oren.....	E 4.....	Beatrice
Wherry, James Arthur.....	A 1, SM.....	Pawnee City
Whisenand, James Wilbur.....	SA 2.....	Harvard
Whisler, J. Harley.....	A 1.....	Lincoln
Whisler, Verna Charlotte.....	S.....	Lincoln
Whitcomb, Glenn D.....	A 1.....	York
White, Anna Grace.....	A 4.....	Lyons
White, Corinne Corliss.....	A 3, SM.....	Ashland
White, C. F.....	Ex.....	Trenton
White, David George.....	CA 3.....	Plattsmouth
White, Earl William.....	E 2.....	Lincoln
White, George Washington.....	A 4.....	Lincoln
White, Harry Lee.....	E 3.....	Omaha
White, Helen.....	SM.....	Fairfield, Ia.
White, Marie Gertrude.....	G.....	Lincoln
White, Mrs. Jennie.....	Ex.....	Eastwood
White, Robert H.....	S.....	Hebron
White, Vallery.....	E 4.....	Omaha
Whitehorn, May.....	FA.....	University Place
Whitford, Arlie Claude.....	G.....	Ashland
Whitmore, Eva.....	SM.....	Lincoln
Whitmore, Marion Ely.....	A 3.....	Valley
Whitmore, Nell Pinkham.....	A 3.....	Valley
Whitmore, Ralph Brown.....	SA 3.....	Elgin
Whitney, Charles Leroy.....	L 3.....	Hartington
Whitney, Lloyd Edmund.....	L 3.....	Lincoln
Whitt, Grace.....	SM.....	Lincoln
Whittier, Florence Amelia.....	A 3.....	Whiting, Ia.

Whyman, Arthur.....	SM.....	Adams
Wicker, Charles Henry.....	A 1, FA.....	Hastings
Wickland, Arthur Julius.....	Au.....	Greenwood
Widen, Luther Emanuel.....	A 4, SM.....	Austin, Texas
Widener, George William.....	A 2, M 2.....	Lincoln
Wiebe, Herman H.....	A 1.....	Beatrice
Wiese, Clarence Henry.....	SAs.....	Grand Island
Wilcox, Allison Wesley.....	SA 2.....	North Platte
Wilcox, Clare Emerson.....	A 1.....	Fremont
Wilcox, Frank Luther.....	SA 2.....	Carroll
Wilcox, Gertrude Alice.....	SM, T 2.....	Lodgepole
Wilcox, Guy Emerson.....	SA 3.....	Grant
Wilcox, Jefferson.....	SM.....	Lincoln
Wildish, Reginald Myron.....	M 3.....	Omaha
Wildy, Clinton Ducker.....	A 1.....	Scottsbluff
Willett, Leamon Earl.....	SAs.....	DeKalb, Ill.
Wiles, Frank Storey.....	E 3.....	Syracuse
Wilhelmson, Fuma.....	G.....	St. Paul
Wilke, Charlotte.....	T 4.....	Lincoln
Wilke, Margaret Julia.....	Tu.....	Lincoln
Wilkinson, Mary Pearl.....	Au.....	Weeping Water
Williams, Anna.....	S.....	Lincoln
Williams, Bert Edward.....	Lu.....	Imperial
Williams, Bertha Alice.....	Au, SM.....	Lincoln
Williams, Cyrus Vance.....	G.....	Fairbury
Williams, Delbert.....	Tu.....	College View
Williams, Dorothy.....	SM.....	Lincoln
Williams, Edith Blanche.....	A 1.....	Lincoln
Williams, Guy Morris.....	E 3.....	Lincoln
Williams, Ina Jeannette.....	T 4.....	Lincoln
Williams, James Ben.....	A 1.....	Wood River
Williams, Lena May.....	T 3.....	Crawford
Williams, Lulu Margaret.....	A 3.....	Lincoln
Williams, Mary.....	FA.....	Lincoln
Williams, Ralph W.....	SA 2.....	Carroll
Williams, Robert Loring.....	CA 1.....	University Place
Williams, Roger.....	Au.....	Gothenburg
Williams, Thomas Earl.....	A 1.....	Blue Springs
Williamson, George Faxon.....	S.....	Diller
Willis, Kathryn.....	T 3.....	Chadron
Willis, Margaret.....	SM.....	Omaha
Wilson, Aeva.....	SAs.....	Bethany
Wilson, Alva.....	CAu.....	Bethany
Wilson, Anne Mildred.....	A 1.....	Lincoln
Wilson, Beatrice Susan.....	T 4.....	Rushville
Wilson, Bert.....	G.....	Bethany
Wilson, Byrel Nevil.....	E 2.....	Lincoln
Wilson, Carl William.....	E 1.....	Adams
Wilson, Edith.....	A 4.....	Lincoln
Wilson, Ernest Dana.....	A 1.....	Lincoln
Wilson, Ervin Fillmore.....	A 3.....	Columbus
Wilson, E. P.....	Ex.....	Chadron
Wilson, Florence Sue.....	A 3.....	Lincoln
Wilson, George Balch.....	E 1.....	Rushville
Wilson, Helen.....	FA.....	Lincoln
Wilson, Henry Lloyd.....	L 2.....	Crawford
Wilson, Henry True.....	E 1.....	Lincoln
Wilson, Hugh Carter.....	E 1.....	Lincoln
Wilson, I. G.....	Ex.....	Albion
Wilson, Lillian May.....	Au.....	Lincoln
Wilson, Lucile De Nevers.....	A 2.....	Lincoln
Wilson, Mabel Agnes.....	SA 3.....	Douglas
Wilson, Margaret Linn.....	T 2.....	Holdrege
Wilson, Mary Miller.....	G.....	Rushville

Wilson, Mary Powell.....	T 2.....	Holdrege
Wilson, Ralph.....	CA 2.....	Scottsbluff
Wilson, Ralph Parks.....	A 3.....	Lincoln
Wilson, Sherman Ray.....	A 4.....	Lincoln
Wilson, Thurman.....	E 1.....	Marquette
Wilson, Vera Bee.....	SA 3.....	Raymond
Wiltamuth, Ida Mae.....	SM.....	Lincoln
Wiltse, Ouida.....	SM.....	Pender
Wimsett, I. G.....	SAu.....	Beatrice
Wind, Vera B.....	SM.....	Council Bluffs, Ia.
Windham, Kathryn Lamira.....	T 3.....	Plattsmouth
Wineland, William Henry.....	SA 2.....	College View
Winston, Mark Seelig.....	An.....	Lincoln
Wirick, Marie Estelle.....	An.....	Lincoln
Wirt, Frederick Alfred.....	E 2.....	Cook
Wissler Emeline.....	SM.....	Lincoln
Withers, Gladys.....	SM.....	Lincoln
Withers, Roscoe D.....	Mu.....	Lincoln
Witte, Edward L.....	Ss.....	Riverton
Wittie, Ella Cetonia.....	An.....	Lincoln
Wittman, Robert Joseph.....	SA 2.....	Lincoln
Wittmann, Elizabeth Marie.....	A 3, FA.....	Lincoln
Wittwer, Bertha Augusta.....	S.....	Culbertson
Wohlenberg, Ernest Theodore Fred.....	CA 2.....	Lincoln
Wohlenberg, Walter Jacob.....	E 4.....	Lincoln
Wolcott, Allen.....	SM.....	Lincoln
Wolcott, Howard Page.....	S.....	Newcastle
Wolcott, Mabel.....	T 3.....	Central City
Wolesensky, Frank.....	E 3.....	Crete
Wolfanger, Lenora Olive.....	T 4.....	Lincoln
Wolfe, Mary Emeline.....	A 3.....	Lincoln
Wolters, Harry Elias.....	E 4.....	Lincoln
Wolters, Jacob.....	SA 1.....	Lincoln
Wolvington, William Thomas.....	A 2.....	Lincoln
Wood, Albert Gerard.....	G.....	Wingate, Ind.
Wood, Arthur Edwin.....	A 1.....	Havelock
Wood, Doris.....	A 2.....	Omaha
Wood, Emily Bingham.....	Tu.....	Omaha
Wood, Ira Leonard.....	E 1.....	Omaha
Wood, Ivan Daley.....	CA 3.....	Lincoln
Wood, Louise Mae.....	SA 2.....	Ellis
Wood, Ralph James.....	A 2.....	Omaha
Wood, Roy Anthony.....	A 1, L 1.....	Moorhead, Ia.
Wood, Wilber Sylvester.....	G.....	Lincoln
Woodard, Dean Sanford.....	A 2, M 1.....	Lincoln
Woodard, Emily.....	S.....	Lincoln
Woodard, John Albert.....	G.....	Havelock
Woodbridge, Edwin Wilson.....	E 3.....	Omaha
Woodburn, Edith.....	Ex.....	Alma
Woodruff, Marguerite.....	SM.....	Lincoln
Woodrum, Charles Bertyll.....	L 2.....	Thurman, Ia.
Woods, Ethel.....	SM.....	Lincoln
Woods, James Edward.....	A 4.....	York
Woods, Margaret Rebecca.....	CAu.....	Lincoln
Woods, Ruth.....	A 2.....	Lincoln
Woodward, James Mac.....	A 2, E 2.....	Lincoln
Woodworth, Blanche Corrine.....	A 1.....	Lincoln
Woolhether, Paul.....	SM.....	Lincoln
Wooster, Margaref.....	A 1.....	Silver Creek
Work, Kenneth Elwin.....	SA 1.....	Litchfield
Workman, Nettie.....	SM.....	Lincoln
Worrall, Mark Robert.....	SA 1.....	Lincoln
Wright, Edna L.....	SM.....	Bethany
Wright, Elizabeth.....	T 4.....	Fairmont

Wright, Harold Bearce.....	E 2.....	Hebron
Wright, Leona.....	SM.....	Fremont
Wright, Mary Katherine.....	S.....	University Place
Wunder, Henry Frederick.....	A 4, L 1.....	Shelby, Ia.
Wunner, Arthur Dearborn.....	E 2.....	Stanton
Wyatt, Orren William.....	M, <i>cum laude</i>	Omaha
Wyer, James Daniel.....	E 1.....	Lincoln
Wyman, Max Arthur.....	S.....	York
Yates, Katharine Lucile.....	A 1, SM.....	Lincoln
Yates, Paul Emmer.....	A 4.....	Lincoln
Yeck, Flossie.....	SM.....	Lincoln
Yochum, Charles Lewis.....	A 1.....	Talmage
Yoder, Byron E.....	Ex.....	Ravenna
Yont, Rose.....	S, SM.....	Lincoln
Yost, Metta Kate.....	Au.....	Harvard
Young, Carl Stanley.....	SA 3.....	Lincoln
Young, Blaine Augustus.....	A 2.....	Malvern, Ia.
Young, Charles E.....	E 3.....	Tecumseh
Young, Etta Mae.....	S.....	Bethany
Young, Frances.....	SM.....	Broken Bow
Young, Gary Garfield.....	A 4.....	Lodge Pole
Young, Horace James.....	CA 3.....	North Bend
Young, Lyle.....	Au, SM.....	Lincoln
Young, Mary Clara.....	S.....	Lincoln
Young, Oscar Harold.....	A 2.....	Oakland
Youngblut, Marian.....	SM.....	Lincoln
Younglund, Emil Joseph.....	SA, S.....	Stromsburg
Youngquest, Edith.....	SM.....	Aurora
Youngquest, Hilda.....	SM, T 1.....	Aurora
Zabel, Clara.....	SM.....	Lincoln
Zabel, Irvin Cahlon.....	SA 1.....	Lincoln
Zacek, Thomas Zachary.....	E 3.....	West Point
Zeller, Henry Teisher.....	SAs.....	Palmer
Zerfing, Irmal.....	SM.....	Lead, S. D.
Zimmer, John Todd.....	A 4.....	Lincoln
Zink, John L.....	Ss.....	Giltner
Zocholl, Joseph Stephen.....	A 1.....	Ashton
Zorn, Ernest Carl.....	SAs.....	Falls City
Zumwinkel, Alwine Caroline.....	T 2, Ex.....	Utica
Zumwinkel, Louise.....	SM.....	Lincoln

SUMMARY OF STUDENTS, 1909-1910

	Men.	Women.	Total.
The Graduate College.....	87	67	154
The College of Arts and Sciences			
Fourth Year	79	51	
Third Year	74	64	
Second Year	114	119	
First Year	241	159	
Unclassified	28	160	
	536	553	1089
The Teachers College			
Fourth Year	5	65	
Third Year	8	65	
Second Year	7	63	
First Year	10	81	
Unclassified	3	25	
	33	299	332
The College of Engineering			
Fourth Year	70	..	
Third Year	76	..	
Second Year	111	..	
First Year	169	..	
Unclassified	9	..	
	435		435
The College of Agriculture			
Fourth Year	11	1	
Third Year	20	5	
Second Year	30	12	
First Year	46	17	
Unclassified	9	14	
School of Agriculture.....	464	67	
	580	116	696
The College of Law			
Third Year	44	..	
Second Year	56	..	
First Year	86	..	
Unclassified	6	..	
	192		192
The College of Medicine			
Doctor of Medicine <i>cum laude</i>	8	..	
Fourth Year	16	1	
Third Year	10	1	
Second Year	19	1	
First Year	26	2	
Unclassified	20	..	
Academic Year	10	..	
Second Year, Six-Year Combined Course.....	24	..	
First Year, Six-Year Combined Course.....	30	3	
School of Pharmacy.....	23	3	
	186	11	197
The School of Fine Arts.....	7	61	68
The University School of Music.....	115	539	654
The Summer Session	154	245	399
School of Superintendence.....	53	14	67
University Extension	132	87	219
Grand Total (Men, 2510; Women, 1992).....			4502
Deduct for Repeated Names (Men, 274; Women, 236)			510
Total Registration (Men, 2236; Women, 1756).....			3992

INDEX

Accredited Schools	31	Botanical Survey of Nebraska...	37
Admission Requirements	29	Botany	99, 251, 253
Graduate College	50	Bryan Prize, William Jennings..	35
College of Arts and Sciences..	63	Buildings.....	7, 206, 241, 322
Teachers College	76	Bulletins.....	1, 36, 43, 286, 327
College of Engineering.....	209	Bureau on Recommendation of	
College of Agriculture.....	241	Teachers	75, 81
College of Law.....	289	Calendar for 1910-1911.....	5
College of Medicine.....	313	Care of the Sick.....	37
School of Pharmacy.....	356	Certificates—	
Admission to the Bar.....	294	University Professional State..	79
Administrative Officers	11	University Life	79
Adult Special Students.....	65, 211	County	79
Advanced Standing—		University Teachers'	80
Undergraduate Colleges.....		Emergency	81
.....64, 77, 211, 243		Regents' Rules Regarding...	81
College of Law.....	291	Certification Committee	81
College of Medicine.....	316	in Agriculture	246
School of Pharmacy.....	358	in Home Economics.....	246
Advisers	69, 77, 246	Granted in 1909-1910.....	384
Aesthetics	373	Chemical Journal Club.....	34
Agricultural Botany	251	Chemical Society	34
Agricultural Chemistry	254	Chemistry	104, 254
Agricultural Education	255	Chorus	35, 146
Agricultural Engineering.....	225, 257	Christian Associations	34
Agricultural Experiment Stations	281	Civil Engineering	217, 228
Agricultural Pedagogy	114	Clinical Departments.....	323, 342
"Agricultural Subjects"	247	Clinical Instruction	342
Agriculture, College of.....	235	Clubs and Societies, 34, 36, 53, 208,	326
School of	240, 252, 279	Collegiate Courses, Special.....	82, 83
Agronomy and Farm Management	259	Commencement Week	6
Agronomy, Experimental	262	Committees—	
Alphabetical List of Officers and		of the Board of Regents.....	10
Members of Faculties.....	17	of the Senate.....	15
Alphabetical List of Students...	395	of the Faculties.....	
Alumni Association	37, 327	.....62, 74, 205, 239, 307,	310
American History	89	Convocation	37
American Institute of Electrical		Cornhusker	36
Engineers	208	Courses of Instruction—	
American Society of Mechanical		Graduate College	87
Engineers	209	College of Arts and Sciences..	87
Anatomy	95, 333	Teachers College	87
Animal Husbandry	262	College of Engineering.....	225
Animal Pathology	263	College of Agriculture.....	251
Announcements	43	College of Law	295
Applied Mechanics	226	College of Medicine.....	333, 342
Astronomy and Meteorology.....	95	School of Pharmacy.....	363
Athletic Board	42	School of Fine Arts.....	371
Attendance in Classes.....	39	School of Music.....	378
		Teachers College Training School	81
Bacteriology and Pathology.....		Credit "Points".....	
.....98, 334, 338, 363		29, 63, 76, 209, 242, 290, 314,	357
Biometry	144	Dairy Husbandry	264
Blue Print Engineering.....	37, 208	Debate (see Rhetoric)—	
Board of Regents.....	10, 282	Intercollegiate	34, 36, 175
Boards of Control	42	Prizes	35
Bohemian (see Slavonic).....	188	Debaters, Intercollegiate	35
Botanical Seminar	34, 99		

- Debating Board 42
 Debating Club 36
 Degrees—
 Bachelor of Arts.....63, 77
 Bachelor of Science.....69, 78, 215, 245, 312
 Bachelor of Laws.....289
 Bachelor of Science in Pharmacy.....355
 Pharmaceutical Chemist.....355
 Graduate in Pharmacy.....355
 Doctor of Medicine.....317, 321
 Master of Arts.....50, 53
 Master of Laws.....289
 Doctor of Philosophy.....50, 51
 Conferred in 1909-1910.....380
 Delinquency 40
 Delta Sigma Rho.....36
 Dental College 7
 Dermatology 348
 Deutsche Gesellige Verein.....34
 Didactic Instruction in Medicine.....333
 Directory of Students.....387, 395
 Discipline 40
 Dishonesty in Written Work.....41
 Dismissal39, 246
 Domestic Science (see Home Economics)249, 277
 Dramatic Club 34

Economic Geology 127
Education Courses 108
 (See also Teachers College.)
Education, History of..... 109
Education, Agricultural 114
Education, Secondary 114
Educational Psychology 110
Educational Theory and Practice..... 111
Electrical Engineering.....217, 220, 229
Elocution (See Rhetoric).....179
Embryology.....139, 336
Engineering, College of.....203
 Agricultural.....217, 219, 225, 257
 Civil217, 228
 Electrical217, 220, 229
 Mechanical217, 221, 230
 Applied Mechanics226
 Society of208
 The Blue Print.....37, 208
English-American History 94
English Club 34
English Language and Literature.....115
English Seminary 34
Entomology120, 265
Entrance Requirements29, 50, 63, 76, 209, 241, 289, 313, 356
Equipment7, 206, 322
European History123
Examinations39, 213
Expenses33, 320
Experiment Station, Agricultural.....281
 Sub-stations285
 Staff282
 Bulletins286
Expulsion 41

Faculties 17
 Graduate College 46
 College of Arts and Sciences... 56
 Teachers College 72
 College of Engineering.....204
 College of Agriculture.....236
 College of Law.....288
 College of Medicine.....306, 308
 School of Pharmacy.....354
 School of Fine Arts.....370
 School of Music.....376
 Committees 62, 74, 205, 239, 307, 310
Farmers' Institutes.....7, 240
Farm Mechanics (See Agricultural Engineering) 257
Fees and Expenses.....33, 51, 66, 214, 244, 293, 318, 360, 372, 378
Fellows 53
Fellowships and Scholarships... 35
Fine Arts, School of.....369
Fine Arts Gallery.....371
Fine Arts, The.....138
Forestry248, 269
French Language186

General Agricultural Group.....247
General Information.....7, 50, 63, 75, 206, 240, 289, 311, 355, 371, 377
Genito-Urinary Surgery.....345
Geography127, 233, 272
Geological Survey of Nebraska... 37
Geology126
Germanic Languages131
German Club 34
Glee and Mandolin Club..... 35
Government of the University... 8
Grades of Scholarship.....38, 40, 68, 318
Graduate Club 53
Graduate College.....45, 387
Greek History and Literature... 135
Grounds and Buildings.....7, 206, 241, 284, 322
Groups of Studies—
 General67, 78, 88
 Technical.....215, 217, 240, 247
 Professional328, 361
Gynecology 346

Herbarium, The University..... 99
High School Manual.....1, 31, 36
High Schools, Accredited..... 31
Histology and Embryology...139, 336
History—
 American 89
 English-American 94
 European123
History and Criticism of Fine Arts373
History of Education.....109
History of Medicine.....337
History of the University... 8
Home Economics.....249, 277
Honorary Societies 36
Honors and Prizes..... 35
Horticulture 274

- Hospital Appointments 325
 Hospitals 323
 Hygiene 153, 337

 "In absentia" credit..... 69
 Infantry Drill 145
 Inspection of Secondary Schools.. 30
 Internal Medicine 342
 Italian Language 187

 Journalism (see Rhetoric)..... 175
 Jurisprudence and Public Law... 140

 Komenian Club 34

 Laboratories.....8, 206, 241, 322
 Lands8, 284
 Laryngology and Rhinology..... 348
 Latin 180
 Law College 287
 Leave of Absence..... 39
 Libraries.....42, 300, 326
 Literary and Scientific Societies..... 34, 35, 208, 326

 Major Subjects.....51, 68, 78, 81, 246
 (See also individual departments)
 Maps of University Campus..... 3
 Mathematics 142
 Mechanical Engineering..217, 221, 230
 Medical Dispensary 310
 Medical Jurisprudence 350
 Medical Prizes36, 302
 Medical Societies.....326, 359
 Medicine, College of..... 305
 Medicine, Table of Hours in..... 305
 Time Schedule in (Omaha).... 351
 Meetings and Petitions..... 41
 Mental and Nervous Diseases... 349
 Meteorology 96
 Methods Courses for Teachers, 82, 83
 Microscope Club 34
 Military Science and Tactics..... 39, 67, 145, 386

 Minor Subjects51, 78, 81
 (See also individual departments)
 Museums 8
 Music—
 Department of 146
 School of 375

 Nebraskan, The Daily..... 36
 Nebraska Certification Laws..... 79
 Nebraska Historical Society..... 37
 Nervous and Mental Diseases... 349
 Notices and Announcements..... 43

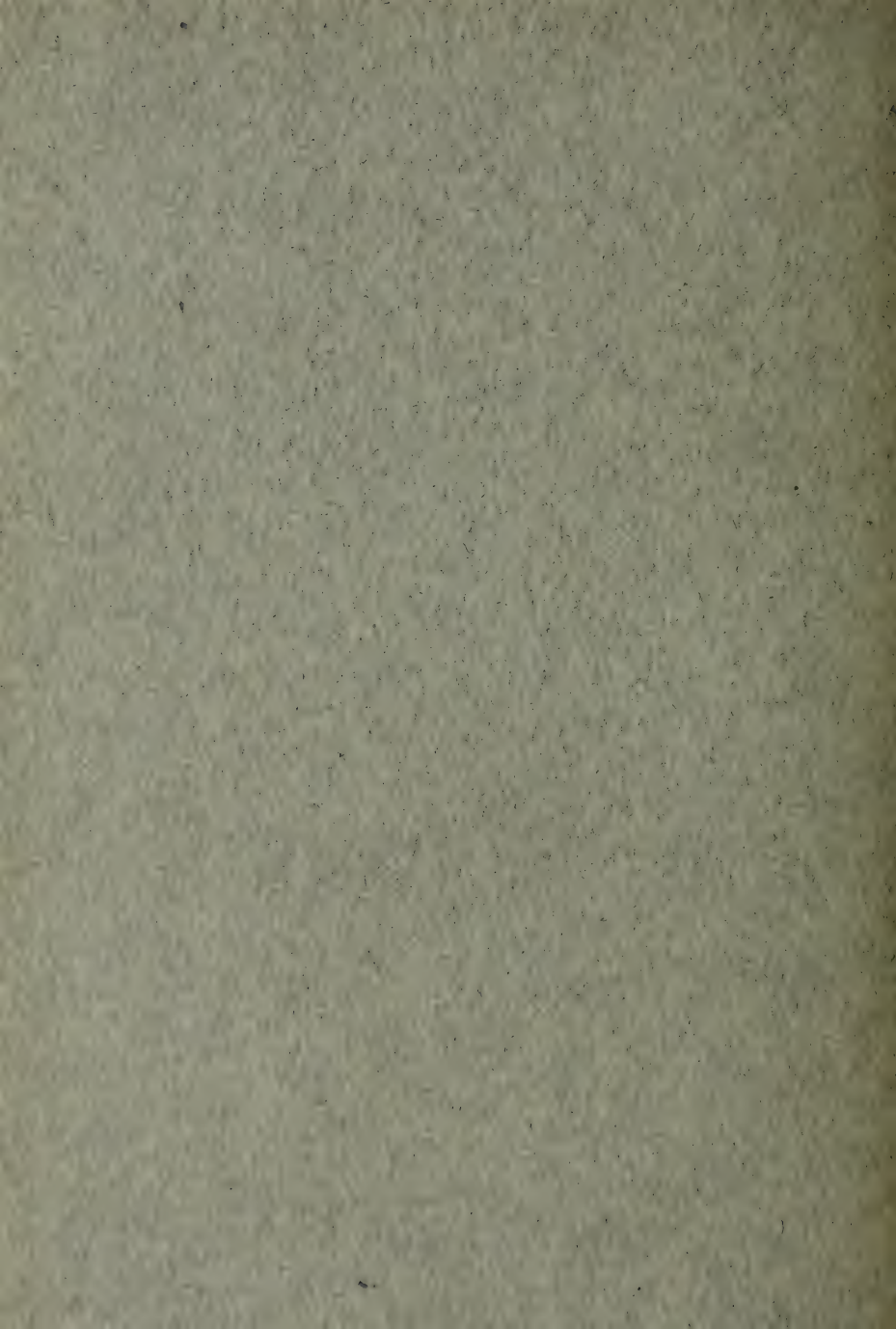
 Observation and Practice Training 82
 Obstetrics 345
 Officers and Members of Facul-
 ties 17
 One-year and Two-year Teachers'
 Courses82, 83
 Ophthalmology and Otology..... 347

 Organization and Government of
 the University..... 355
 8, 50, 63, 75, 206, 240, 284, 311, 355
 Ornithology 200
 Orthopedic Surgery 345

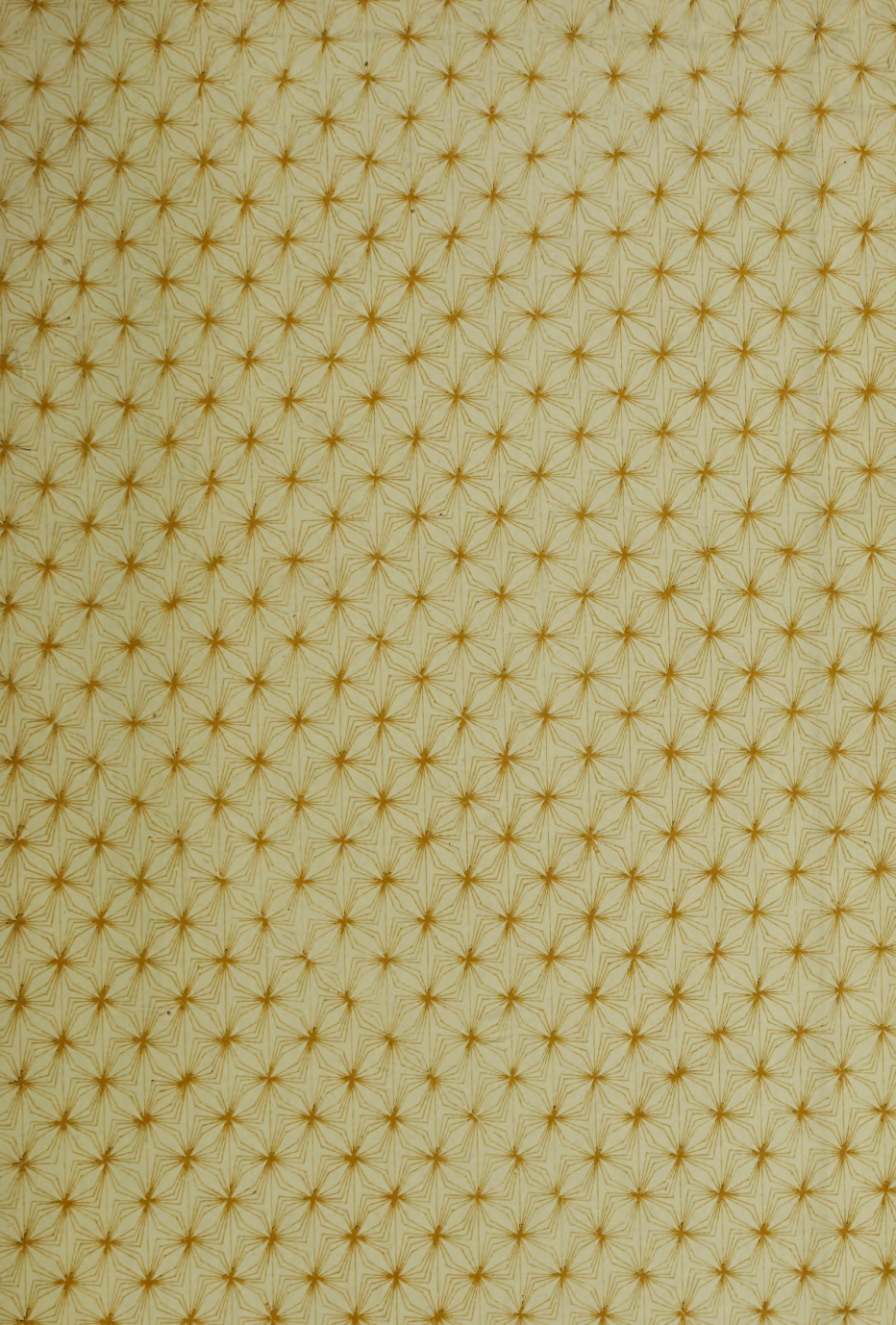
 Palladian Society 34
 Pathology98, 334, 338 363
 Pediatrics 349
 Pershing Rifles 35
 Petitions and meetings..... 41
 Pharmacology 146
 Pharmacy, School of 353
 Pharmacy and Pharmacology.... 359
 Pharmaceutical Jurisprudence ... 365
 Pharmaceutical Society 359
 Phi Alpha Tau 36
 Phi Beta Kappa 36
 Philosophy 147
 Physical Education.....39, 67, 152
 Physics 156
 Physics Colloquia 34
 Physiology159, 339
 Political Economy and Commerce 160
 Political Science and Sociology... 167
 Practice and Practice Courts..299, 302
 Practitioners' Review Course.... 320
 Prizes and Awards thereof—
 Military Drill 36
 Athletic Trophies 36
 Bryan, William Jennings..... 35
 Sheldon Prize in Debate..... 35
 College of Law, First-Year
 Studies 301
 Edward Thompson Company.. 301
 Legal Bibliography 301
 Oratory 302
 Excellence in Bohemian..... 35
 Prohibitions 41
 Psychology 147
 Publication Board 42
 Publications 36
 Public Law 141
 Public Speaking (see Rhetoric).. 175

 Regents, Board of10, 282
 Registration...33, 38, 51, 65, 243, 217
 Regulation of Student Affairs... 37
 Religious Organizations 34
 Reports—Standing.....38, 40, 68, 318
 Requirements for Advanced De-
 grees51, 53
 (See also individual departments)
 Requirements for Graduation.... 37
 67, 77, 212, 245, 293, 317
 Residence of Men and Women... 43
 Revenue of the University..... 8
 Review Course for Practitioners.. 320
 Rhetoric 175
 Roman History and Literature... 180
 Romance Languages and Litera-
 tures 186
 Rooming Regulations 43
 Roster of Students and Degrees,
 1909-1910 379

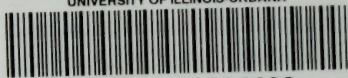
Rules and Regulations Govern- ing Students	37	Summer Session	29
Scholars	53	Surgery	343, 345
Scholarships	35	Suspension	41
Schools—		Swedish Language	135
Agriculture.....	240, 252, 279	Teachers' Bureau	75, 81
Fine Arts	369	Teachers' Certificate.....	79, 246, 384
Music	375	Teachers' College	71
Pharmacy	353	Teachers' College Training School	81
Sick, The Care of the.....	37	Teachers' Courses.....	82, 83
Sigma Xi	36	Technical Groups of Study.....	215, 217, 240, 247
Slavonic (See Bohemian).....	188	Therapeutics	340
Societies—		Theta Kappa Nu.....	36, 302
Literary and Scientific.....	34, 35, 208, 326	Union Society	34
Honorary	36	University Extension	189
Sociology	167	University Girls' Club.....	34
Soils	259, 262	University Journal	36
Spanish Language	187	University Senate	15
Special Collegiate Courses.....	82, 83	University Studies, The.....	54
Special Examinations.....	39, 213	University Year	29
Special Students	65, 211	Visitors to the University.....	37
Standing of Students....	38, 40, 68, 318	Weather Bureau, The United	
State Medicine	337	States	95
State Military Commissions		Women's Parlors	37
Awarded in 1909-1910.....	386	Workizer Rifles	35
State Societies	37	Y. M. C. A. and Y. W. C. A.....	34
Student Publication Board.....	42	Zoological Club	34
Students, Alphabetical List of...	395	Zoology	195, 341
Summary of	458		
Students' Handbook	36		
Students' Mail	37		
Students' Organizations....	34, 42, 208		
Students' Volunteer Movement...	34		







UNIVERSITY OF ILLINOIS-URBANA



3 0112 110884480